ROBIN®

Innovative Technology

CATALOGUE VOL. 7

ROBE®

ROBIN®
Innovative Technology

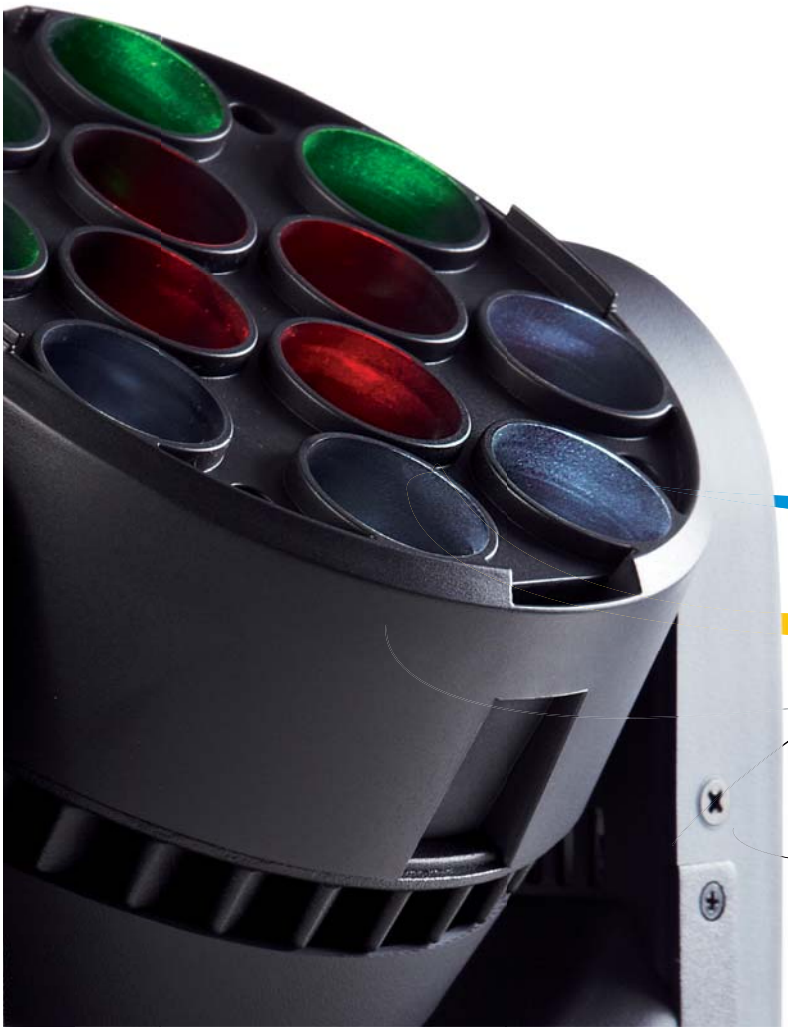
Robe has been producing high quality, reliable lighting fixtures for many years and with the new environmentally aware ROBIN series we are trying to make a difference for the future of all of us.

Robe's new ROBIN Series of moving lights combine foresight with the very latest technology in the ongoing quest for innovation, the provision of imaginative solutions and the manufacture of reliable, high quality lighting products that has always driven the company.

Robe is - and has been for several years - committed to environmental sustainability. Our green initiative "THINK OF THE FUTURE - CONSIDER NATURE" underlines this continued dedication to producing genuine, cutting-edge energy saving products.

The LEDWash 600, which sets new standards in LED wash moving head technology, is the fastest selling luminaire in the history of the company - with more than 10,000 units sold.

The ROBIN MMX Spot has quickly become the bench mark in high output fixtures and can compete and out-perform current 1200 Watt lamp technologies.



THINK OF THE FUTURE
CONSIDER NATURE

Just launched, the ROBIN DLX Spot and DLF Wash are great examples of eco friendly products. Based on a world first, high--power RGBW LEDmodule, they offer the customer amazing powerful colour output plus 20.000 hours or 3 years warranty on the lightsource.These fixtures deliver all this with incredibly low power consumption.

The ROBIN (Robe Innovative Technology) brand INtroduces the very latest technological developments and trends for its light sources, premium electronic components and optical systems resulting in very unique INdividual products that are really 'power-saving' in multiple contexts. By INcorporating the latest multichip LEDs, evolutionary plasma and discharge lamps INcluding the new Philips MSR Platinum 35 lamp, the ROBINS are being the driving force for pushing the INdustry standards in high quality powerful output while maintaining it's friendly power consumption status.

Thanks to the INovation, the ROBINS are just IN.

Robe also relies on a constant and fluid dialogue and engagement with its end users and specifiers. Their collective talents, visions and creative demands coupled with Robe's desire to be a proactive leader in its field continues to inspire future ideas, fuel ambitions and keep the brand moving forwards.

BRINGING YOU TOMORROW'S TECHNOLOGY TODAY!

NEW Gold Lamps

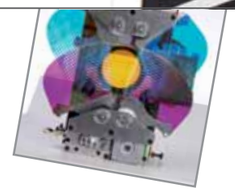
The punchy output of the new Philips MSR Gold 575/2 MiniFastFit lamp and the Philips MSD Gold 300/2 MiniFastFit lamp is multiplied by a unique (Hot-or-not-spot) reflector solution for remote hot-spot control (patent pending).

32-bit ARM Processors

With increasing demands for speed – for both mechanical parts and communication protocols – Robe has replaced the old PIC chip architecture with fast, modern 32-bit ARM processors with a vastly increased memory.

3-phase Stepper Motors

All Robin products use 3-phase stepper motors, which enable extremely fast and accurate pan and tilt movements.



New CMY/CTO Colour Mixing System

Both Spot and Wash Robin products are equipped with the new CMY/CTO colour mixing system, which can provide rapid and accurate movement without backlash and hysteresis (patent pending).

New Rotating Gobo Wheel

The new rotating gobo wheel with "SLOT&LOCK" gobos (patent pending) offers 7 rotating gobos + hole, the new static gobo wheel with "SLOT&LOCK" gobos (patent pending) includes 9 gobos + open position.

New Colour Wheel

The newly designed colour wheel with magnetic "SLOT&LOCK" system (patent pending) provides 7 trapezoid colour filters + open position.

LCD Touch Screen

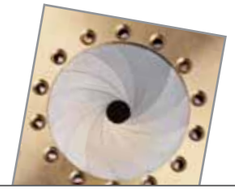
Patented intuitive smart presetting and control via a touch screen control panel with battery back-up for fixture set-up without power helps to make the Robin fixtures very cool and easy to control (simply fabulous to touch!). The newly designed self--diagnostics feature with RTC gives the lighting operators and technicians constant ope-ration overview throughout the lifespan of the fixture (patent pending).

Self-switchable Power Supply

Automatic self-switchable power supply units are now a must for worldwide touring shows. They ensure that the correct voltage is always supplied to the lamp without the need for any region-specific adjus-tments (an appealing feature to any tech!).

Cooling System

Robin 600 series fixtures are equipped with a newly developed lamp cooling system which ensures the best lamp operating temperatures while maintaining silent running during normal functioning.

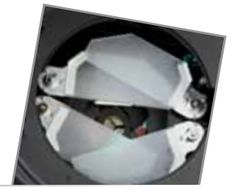


The Fastest Iris

The new iris – probably the fastest iris on the market – allows the closing and opening cycles up to 3 per second. Combined with the innovative remote hot-spot control, the fixture is delivering the maximum light output at any iris aperture (patent pending).

Newly designed Lens Slide System

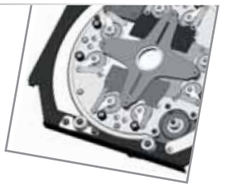
The Robin 600E Spot fixtures provide a large 10°–45° zoom range. Consisting of a newly designed lens slide system, which provides controllable and repeatable friction and dampering of the lens movement (patent pending).



Special Zoom System

The Robin 300E Wash fixture consists of a large 4°–40° zoom range, delivered by a special zoom system, which gives maximum light output at any angle in the zoom range (patent pending).

BRINGING YOU TOMORROW'S
TECHNOLOGY TODAY!



New MSR Platinum 35 Lamp

The exceptional light output of the MMX Spot is provided by Philips MSR Platinum 35 short arc MiniFastFit lamp. This lamp's new features include better CCT stability, longer useful livetime and enable high light output while requiring only 800W power consumption.

New Dual Graphic Wheel

Astonishing artistic animations and effects are possible to achieve thanks to the Dual Graphic Wheel. By it's unique design it allows creation of interesting Kaleidoscopic effects, as well as effect like fire, water, sky and transitions with morphing through several focusing planes. The wheel also allows movement from side to side. (patent pending).

Multichip

New LED technologies use several LED chips on a single module that creates just perfect point source of extremely smooth new dimensional color mixing of RGBW.

Innovative Zoom System

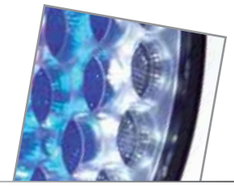
Incorporating sophisticated zoom optics combined with dual top-hat system consisting of Micro egg--crates and top-hat for each output lens which allows rendering of beam of high visual quality. (Patent pending).

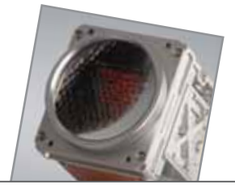
Wireless

We are utilizing the state of art Wireless DMX/RDM CRMX technology for highly reliable bidirectional wireless connection. This new technology features fixed latency, frame synchronization between receivers, full RDM and other possibilities, like cognitive coexistence, for reliable use in all timing critical environments.

Framing Shutters Module

Robin DLS uses framing shutters with four blades which can be individually controlled, positioned and angled and the whole module can be rotated. This sophisticated system offers smooth variable speed blade movement together with high speed speed pre-programmed shape and blade sequences. (Patent pending).





Individual control of LED rings

Unique design and control of the LED PCB's allows individual control of each LED ring for creation of eye-candy effect, such are colour waves or strobing per rings. (Patent pending).

Eggcrate

Especially designed eggcrate modules provide different look of the multi-source front face of the fixture, to fit any needs and purposes. Black eggcrate separates each cell especially well for color chases between independently controllable rings, transparent/semi-transparent eggcrate allows light penetration between LED cells and therefore creates more unified, colorful front view of the fixture.

LED Module

Precisely unified and very powerful colour output of our new light source module utilizes unique combination of RGBW high powered single chip LEDs for perfect projection, while drawing very little energy and lasting for an amazing 20.000 hours. The LED module is combinated with an advanced heat management for very silent operation. (Patent pending).

Motorized Internal Barndoors

Robin DLF Wash and MMX WashBeam use an internal motorized barndoor module for creating various animated shapes and fast effects as well as providing barn door trimming possibilities. The module consists of four individually controllable blades and is rotateable by plus or minus 90 degrees. (Patent pending).

LEDBeam Optical System

Newly designed optical systeme for beam applications giving 7 degrees light beam angle, from sophisticated lenses, eggcrates and additional top-hat. (Patent pending).

LED Beam Shaping Module

Full continuous rotation beam shaping module creates an asymmetrical shaped beam of adjustable width which is highly required for TV and theatrical applications. (Patent pending).

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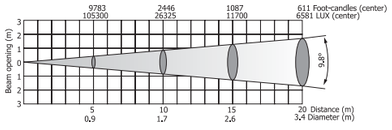
ROBIN®
MMX Series

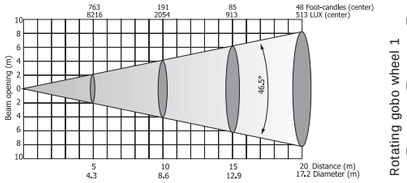
ROBIN MMX series belongs among the most efficient fixtures in the 1200 W range. It completely represernts ROBE philosophy Think of the future & consider nature which is smaller, lighter, fighter and eco friendly products. In all aspects MMX Spot and WasHBeam exceed other 1200 W discharge lamp fixtures. They offer all features you would expect from the state-of-art moving heads. They meet the highest criteria concerning efficiency and quality for multipurpose use.

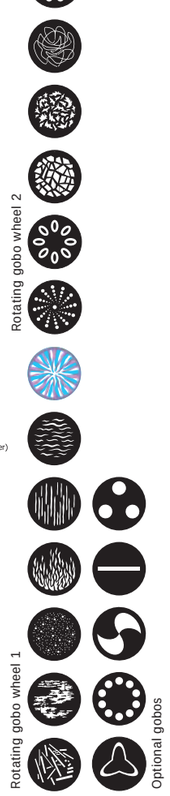
Lamp: MSR Platinum 35
Beam angles are measured at free hole

Beam angle 9.8° - Min. zoom



Beam angle 46.5° - Max. zoom





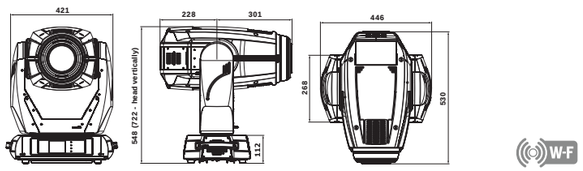
ROBIN® MMX Spot

The ROBIN® MMX Spot provides a very powerful output of 1200 W fixture required for full utilization of unique animating capabilities of two rotating gobo wheels, dual graphic wheel and rotating prism. This "king of animation" is a unique combination of extreme power of the new Philips MSR Platinum 35 lamp, quietness of internal components and specially designed cooling system.

The design is packed full of features including HotSpot control, fast Iris, CMY+CTO, variable frost and other effects that allow easy customization via Slot&Lock system. Electronic auto-ranging ballast and power supplies ensure easy global installations, touring and cross renting.

Technical Specification

- NEW Philips MSR Platinum 35, 1200 W equivalent
- RNS2 - Innovated Robe Navigation System with LCD touch screen and battery backup, gravitation sensor for auto screen positioning and operation memory service log with RTC
- Linear motorized zoom 8.5 °– 46.5 ° (8.5– 42.5 ° for gobo, 9.8 °– 46.5 ° for open hole)
- CMY+CTO dichroic colour flag system - for smooth and fast colour mixing
- Colour wheel with 7 dichroic filters+ white
- Rotating gobo wheel 1 with 7+1 user replaceable "SLOT&LOCK" gobos
- Rotating gobo wheel 2 with 7+1 user replaceable "SLOT&LOCK" gobos
- NEW Dual Graphic Wheel (Patent Pending)
- 5-facet rotating indexable prism
- Extremely fast motorized iris, opening and closing pulses up to 3 Hz (patent pending)
- Variable frost effect
- Remote beam flatness/hotspot control
- Mechanical dimmer/shutter, Strobe effect 1/10 Hz
- Electronic ballast with dimming and strobing possibilities
- Electronic auto ranging power supply 100 – 240 V AC, 50/60 Hz
- Pan and tilt movement in 16/8 bit resolution 540 °/270 ° with locking mechanism
- Silent operation
- Communication protocols USITT DMX-512, ArtNet, MA Net, MA Net2, RDM
- Optional wireless version available: CRMX™ technology from Lumen Radio



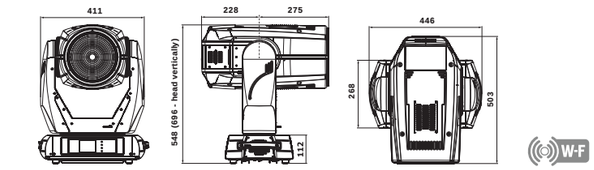
ROBIN® MMX WashBeam

Utilising technologies developed for the ROBIN MMX Spot, the MMX WashBeam offers multiple features in one fixture. The Philips Platinum 35 lightsource combined with the MMX optical system provides an output exceeding most traditional 1200W products.

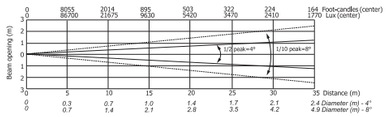
The internal automated 'Barn Door' assembly offers individual control of each 'door' to control the light edge, and the complete assembly rotates through 180 degrees. Using a different lens, the WashBeam can be switched from a soft edged wash light – extendable out to 54 degrees - to a collimated 4 degree beam effect machine. A rotating gobo wheel with six rotating gobos is specifically designed for creating powerful mid-air effects. Both options retain the key performance features of the MMX family - full CMY colour mixing, saturated colour wheel, variable CTO and hot spot control, motorised zoom & focus.

Technical Specification

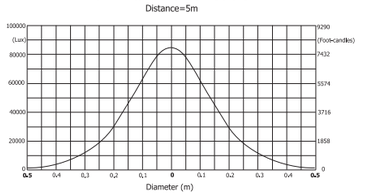
- Light Source: Philips MSR Platinum 35, 1200 W equivalent
- Zoom range Beam application: 5 °– 65 °
- Zoom range Wash application: 4 °– 54 °
- CMY+CTO dichroic colour flag system for smooth and fast colour mixing
- Colour wheel with 7 dichroic filters + white
- Rotating Gobo wheel: 6 rotating, indexable, replaceable "SLOT & LOCK" glass gobos + open + beam reducer
- Beam Shaper – individual position control of 4 'doors' and +/- 90 ° module rotation (Patent Pending)
- Remote Beam flatness/ Hot spot control (Patent Pending)
- Dimmer/Shutter: Full range dimming, variable strobe effect, Electronic strobbing "ZAP" effect
- Pre-programmed random strobe & pulse effects
- Motorized zoom and focus
- Pan and Tilt movement range: 540 °/270 °
- DMX channels: 34, 29, 26
- 3 DMX modes
- 3 user defined programs, each up to 100 steps
- Ethernet port: Art-Net protocol, ready for ACN
- Data in/out: Locking 3-pin & 5-pin XLR
- User Interface: Colour Touch Screen: ROBE Navigation System 2 (RNS2)
- Communication protocols: USITT DMX-512, ArtNet, MA Net, MA Net2, RDM
- Wireless CRMX™ technology from Lumen Radio included as optional accessory
- Supply Input: 100–240 V AC, 50–60 Hz auto ranging
- Rigging: 2x Omega brackets (included) with ¼-turn quick locks



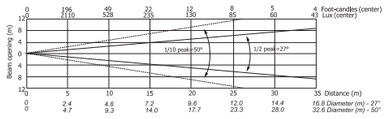
Wash mode - Min. zoom
Fresnel lens (glass)



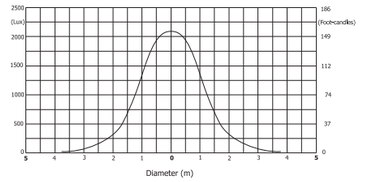
Illuminance distribution
Distance=5m



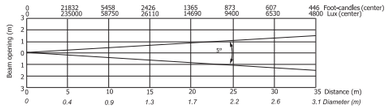
Wash mode - Max. zoom
Fresnel lens (glass)



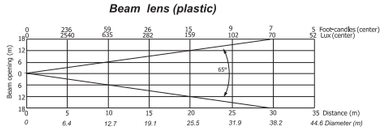
Illuminance distribution
Distance=5m



Beam mode - Min. zoom
Beam lens (plastic)



Beam mode - Max. zoom
Beam lens (plastic)



ROBIN®
DL Series

The Robin DLX, DLF and DLS fixtures are based on a world's first, high power RGBW LED module; they are all offering smooth and seamless colour mixing with a full range of true whites and fabulously delicate pastel and rich primary colours. The fixtures are trully eco-friendly. While delivering light output in colours compared to the 575/700 W conventional discharge source units, the average power consumption is only 250 Watts. Robe is offering 3 years or 20.000 hours warranty (which ever comes first) on the light source.

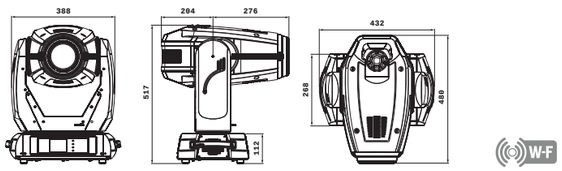
ROBIN® DLX Spot

The ROBIN® DLX Spot uses a unique new RGBW LED light source giving colour outputs brighter than a 575/700 Watt discharge unit, but with an average very eco-friendly power consumption of only 250 Watts.

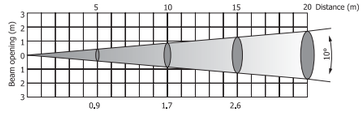
The optical system produces a very smooth, high quality light output of rich, beautiful colours with no shadows and utilizes a versatile zoom of 10 – 45 degrees. Effects features consist of a combination of static and rotating gobo wheels that have custom replaceable positions, variable frost, three-faceted prism, superfast iris and more... Including full range dimming and variable strobe effects.

Technical Specification

- Light Source: RGBW LED module
- RNS2 - Robe Navigation System with LCD touch screen and battery backup, gravitation sensor for auto screen positioning and operation memory service log with RTC
- Motorized zoom 10°– 45°
- RGBW or CMY colour mixing
- Virtual colour wheel with pre-programmed 237 colours including whites (2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K)
- Tungsten lamp effect at whites 2.700 K and 3.200 K
- CTO filter
- Static gobo wheel with 9 user replaceable "SLOT&LOCK" gobos
- Rotating gobo wheel with 7 user replaceable "SLOT&LOCK" glass gobos
- Variable frost
- Extremely fast motorized iris, opening and closing pulses up to 3 Hz
- 3-facet 11° prism rotating in both directions at different speeds
- Motorized focus
- Fine dimmer/shutter, fast strobe effect (max. 20 flashes/second)
- Electronic auto ranging power supply 100–250 V AC, 50–60 Hz
- Pan and tilt movement in 16/8 bit resolution 540°/280° with locking mechanism
- Silent operation
- Communication protocols USITT DMX-512, ArtNet, MA Net, MA Net2, RDM
- Control channels: 35, 25, 23
- Wireless CRMX™ technology from Lumen Radio as optional accessory
- Rigging: 2 pairs of 1/4-turn locks +2x Omega bracket with ¼-turn quick locks
- 3 Years or 20.000 Hours light source warranty

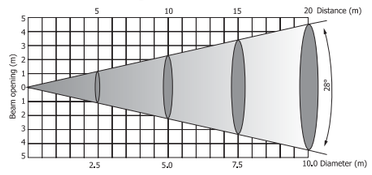


Beam angle 10° - Min. zoom

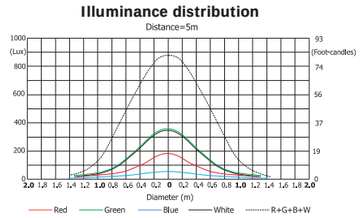


Lumen output: R= 690 lm, G= 1422 lm, B= 224 lm, W= 1303 lm, R+G+B+W= 3383

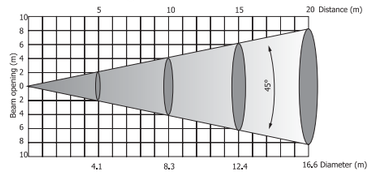
Beam angle 10° with frost



Illuminance distribution

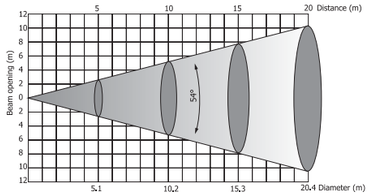


Beam angle 45° - Max. zoom

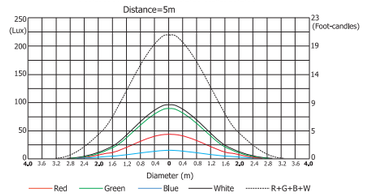


Lumen output: R= 730lm, G= 1473 lm, B= 250 lm, W= 1670 lm, R+G+B+W= 3535

Beam angle 45° with frost



Illuminance distribution



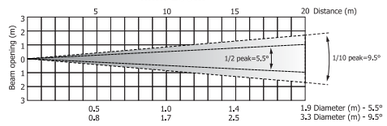
ROBIN® DLF Wash

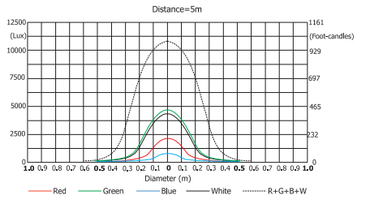
This perfect companion to the ROBIN® DLX, the new ROBIN® DLF Wash is based on the same RGBW LED module. With perfectly smooth output via the front fresnel lens, this fixture has been optimized for those wanting an even light output with no shadows. (RGB breakups and shadows are not present even when on closely positioned trussing or other objects.)
Mechanical features include a newly designed linear motorized zoom of 5.5°–60° and a diffusion filter for extension of the zoom up to 75°. The fixture uses a beam shaping module for creating different shapes, which also simulate barn door effects. The module consists of four individually controllable blades and is rotatable by plus or minus 90 degrees. Advanced software features include RGBW or CMY colour mixing, a set of calibrated whites, CTO, tungsten lamp emulation (amber shift) and more.

Technical Specification

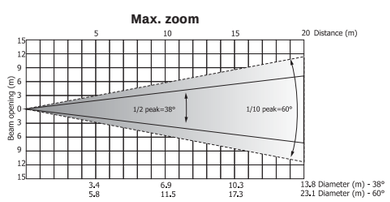
- Light Source: RGBW LED module
- RNS2 - Robe Navigation System with LCD touch screen and battery backup, gravitation sensor for auto screen positioning and operation memory service log with RTC
- Motorized zoom 5,5°– 60° (75° with frost)
- RGBW or CMY colour mixing
- Virtual colour wheel with pre-programmed 237 colours including whites (2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K)
- Tungsten lamp effect at whites 2.700 K and 3.200 K
- CTO filter
- Four beam shapers module (Patent Pending)
- 40 beam shaper macros
- Variable frost
- Fine dimmer/shutter, fast strobe effect (max. 20 flashes/second)
- Electronic auto ranging power supply 100–250 V AC, 50–60 Hz
- Pan and tilt movement in 16/8 bit resolution 540°/260° with locking mechanism
- Silent operation
- Communication protocols USITT DMX-512, ArtNet,MA Net, MA Net2, RDM
- Control channels: 29, 23, 21
- Wireless CRMX™ technology from Lumen Radio as optional accessory
- Rigging: 2 pairs of 1/4-turn locks + 2x Omega bracket with ¼-turn quick locks
- 3 Years or 20.000 Hours light source warranty

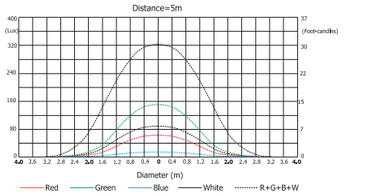
Min. zoom



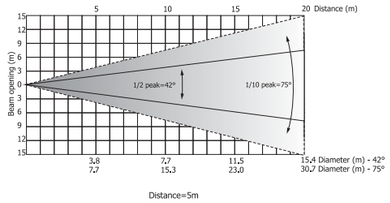


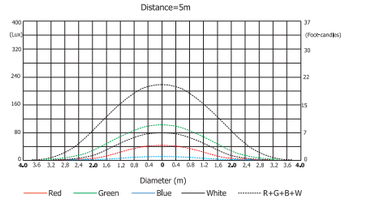
Max. zoom

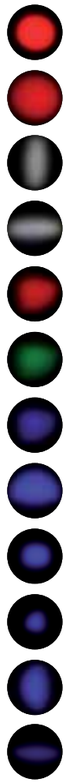


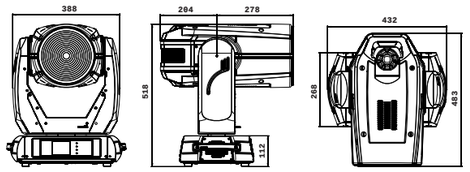


Max. zoom (with diffusion filter)









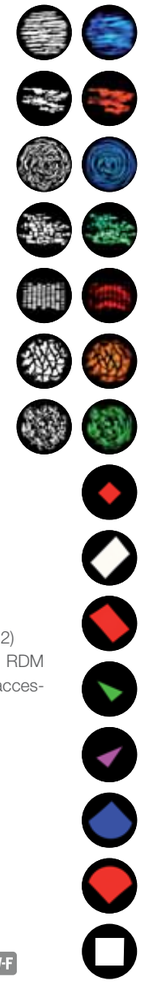
ROBIN® DLS Profile

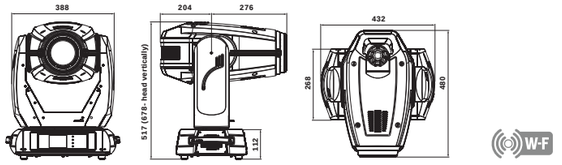
The latest DL range product from Robe uses the high power RGBW LED module and adds a smooth, fast framing shutter system in the optical path of the already proven DLX Spot format. Each of the four shutter blades can be individually controlled, positioned and angled and the whole module can be rotated.

As with all Robe LED luminaires, the light engine is optimised and completely homogenised, producing no shadows. The high power RGBW LED module produces a dynamic colour range, reaching from rich saturates to the most subtle pastels, plus pure whites at pre- selected 2.700, 3.200, 4.200, 5.600 and 8.000 Kelvin colour temperatures. Tungsten emulation allows the fixture to be seamlessly integrated into lighting schemes also using traditional fixtures.

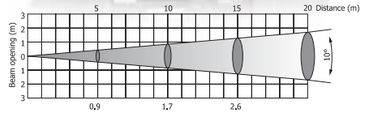
Technical Specification

- Light Source: RGBW LED module
- Min. Led life expectancy: 20,000 hours
- Linear motorized zoom: 10°– 45°
- RGBW or CMY colour mixing + variable CTO
- Virtual wheel with pre-programmed 237 colours plus whites (2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K)
- Tungsten lamp effect at whites 2.700 K and 3.200 K
- Metal Animation wheel
- Rotating Gobo wheel with 7 rotating, indexable, replaceable "SLOT&LOCK" glass gobos + open
- Framing shutters: 4 individually positionable blades plus rotation of the complete frame system +-45° (Patent Pending)
- Motorized Iris, stepless, pulse effects up to 3 Hz
- 3-facet 11° prism rotating in both directions at different speeds
- Frost filter: Separate, variable
- Motorized focus
- High resolution dimmer 0 –100%
- Strobe effect with variable speed
- Pre-programmed random strobe & pulse effects
- Pan and Tilt movement range: 540°/270°
- DMX channels: 34, 29, 26
- 3 DMX modes
- 3 user defined programs, each up to 100 steps
- Ethernet port: Art-Net protocol, ready for ACN
- Data in/out: Locking 3-pin & 5-pin XLR
- User Interface: Colour Touch Screen: ROBE Navigation System 2 (RNS2)
- Communication protocols: USITT DMX-512, ArtNet, MA Net, MA Net2, RDM
- Wireless CRMX™ technology from Lumen Radio included as optional accessory
- Supply Input: 100–240 V AC, 50–60 Hz auto ranging
- Power connection: Neutrik PowerCon
  Rigging: 2x Omega brackets (included) with ¼-turn quick locks

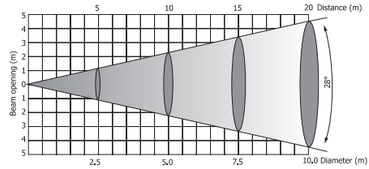




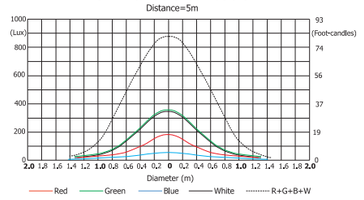
Beam angle 10° - Min. zoom



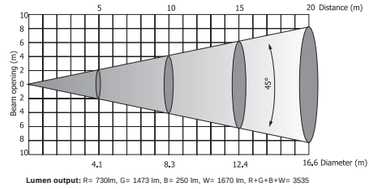
Beam angle 10° with frost



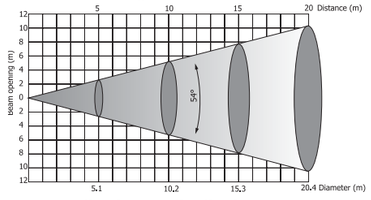
Illuminance distribution



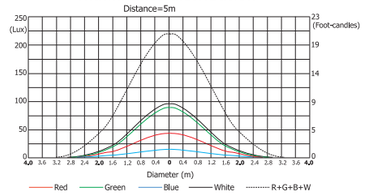
Beam angle 45° - Max. zoom



Beam angle 45° with frost



Illuminance distribution



ROBIN® Series

The Robin series with a distinctly bright group of innovative powerful products which are encompassing stronger light output in a handy, compact sized housing and utilize new innovative technologies to offer many exclusive effects and features, while maintaining low environmentally friendly power consumption.

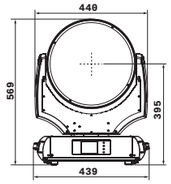
ROBIN® 1200 LEDWash

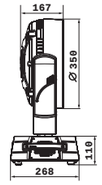
The super-slim ROBIN® 1200 LEDWash features 61 RGBW multichip LEDs with colour output ranging from gentle pastels to the richest saturation. Arranged in 4 concentric rings these LEDs offer unique possibilities for creating stunning colour and pattern audience blinding and eye candy effects as well as for providing comprehensive and perfectly even wash coverage.

This system sets the LEDWash 1200 ahead of any other LED wash light products, making it a truly 'multi-purpose' unit, equipped also with extremely versatile 8 – 63 degree motorized zoom, powerful fast strobing and pre-programmed strobe and pulse effects at all zones (rings) or individually controllable per each zone.

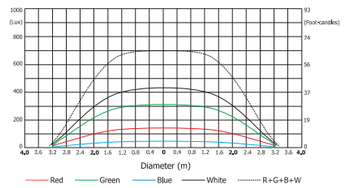
Technical Specification

- 61x RGBW LED multichips
- Led Life Expectancy: minimum 60.000 hours
- Typical Lumen Maintenance: 70% @ 60.000 hours
- Linear motorized zoom: 8°– 63°
- RGBW/CMY, 8-bit or 16-bit colour mixing
- Virtual colour wheel with 237 colours including whites (2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K)
- 4 LED rings, individual colour control of each LED ring
- Tungsten lamp effect at whites 2.700 K and 3.200 K
- High resolution dimmer 0 – 100%
- Strobe effect with variable speed
- LED zone strobe effects with variable speed
- DMX channels: 45, 21, 15, 10, 45, 37
- 6 DMX protocol modes
- 3-editable programs, each up to 100 steps
- Ethernet port: Art-Net protocol, ready for ACN
- Data in/out: Locking 3-pin & 5-pin XLR
- RNS2 - Robe Navigation System with LCD touchscreen and battery backup, gravitation sensor for auto screen positioning and operation memory service log with RTC
- Communication protocols: USITT DMX-512, ArtNet, MA Net, MA Net2, RDM
- Wireless CRMX™ technology from Lumen Radio included as standard accessory
- Input voltage: 100 – 250 V AC, 50/60 Hz
- Power consumption: Typical consumption: 550 W (2 LED colors @ all rings)
  Max. consumption: 680 W (4 LED colors @ all rings)
- Pan and Tilt movement range: 450°/300°; 16 bit resolution
- Mounting points: 2 pairs of 1/4-turn locks

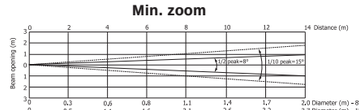




Illuminance distribution



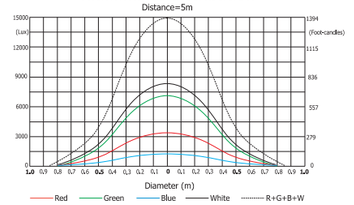
Min. zoom



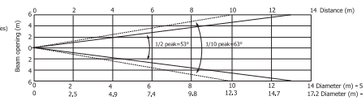
Distance (m)	2	4	5	6	8	10	12	14	
Red	20250/1881	5062/470	3240/301	2250/209	1266/118	810/75	563/52	413/38	
Green	44062/4093	11015/1023	7050/655	4895/455	2754/256	1762/164	1224/114	899/84	Intensity (center) Lux/Footcandles
Blue	5625/523	1406/131	900/84	625/58	352/33	225/21	156/15	115/11	
White	59187/5663	12547/1165	8030/746	5576/518	3137/291	2007/187	1394/130	980/91	
R+G+B+W	94750/8803	23687/2200	15000/1394	10528/978	5922/550	3790/352	2632/245	1934/180	

Illuminance distribution

Distance=5m



Max. zoom



Distance (m)	2	4	5	6	8	10	12	14	
Red	875/81	219/20	140/13	97/9	55/5	35/3	24/2	18/1,7	
Green	1938/180	484/45	310/29	215/20	121/11	78/7	54/5	40/4	Intensity (center) Lux/Footcandles
Blue	312/29	78/7	50/5	35/3	20/2	13/1	9/0,7	6/0,5	
White	2688/250	672/62	430/40	298/28	168/16	108/10	75/7	55/5	
R+G+B+W	4375/406	1094/102	700/65	486/45	273/25	175/16	122/11	89/8	

ROBIN® 800 LEDWash

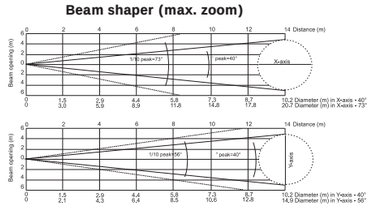
The world's first LED wash light with beam shaping and a truly multi-purpose luminaire designed for all professional applications – concert touring, rental and staging, theatre, TV studios and productions, conferences, presentations plus live events and installations. The beam shaping module creates an oval shaped beam which is needed for TV and theatrical stages.

The module is both rotatable and indexable to 360 degrees and has continuous rotation. The zoom range is an amazing 8 - 63 degrees! There are three-zones of individual LED ring control and the colour range – including all the high quality 'real' whites - are the same as those in the hugely successful ROBIN 600 LEDWash.

Technical Specification

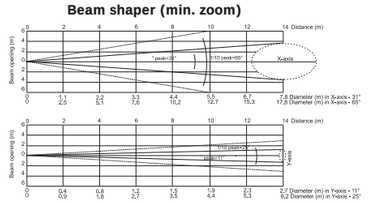
- 37x 15W RGBW multichips
- Led life expectancy: > 60,000 hours
- Typical lumen maintenance: 70% @ 60.000 hours
- Linear motorized zoom: 8°– 63°
- RGBW or CMY colour mixing +variable CTO
- Virtual wheel with pre-programmed 237 colours plus whites (2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K)
- Tungsten lamp effect at whites 2.700 K and 3.200 K
- 3 individually controllable LED rings
- Removable remote beam shaper with continuous motorized rotation
- Beam shaper: asimetrical beam 8° x 26° @ min. zoom
- High resolution dimmer 0 –100 %
- Strobe effect with variable speed
- Pre-programmed random strobe & pulse effects
- Pan and Tilt movement range: 450°/300°
- DMX channels: 38, 22, 16, 11, 38, 37
- 6 DMX modes
- 3 user defined programs, each up to 100 steps
- Ethernet port: Art-Net protocol, ready for ACN
- Data in/out: Locking 3-pin & 5-pin XLR
- User Interface: Colour Touch Screen: ROBE Navigation System 2 (RNS2)
- Communication protocols: USITT DMX-512, ArtNet, MA Net, MA Net2, RDM
- Wireless CRMX™ technology from Lumen Radio included as a standard
- Supply Input: 100–240 V AC, 50–60 Hz auto ranging
- Rigging: 2x Omega brackets (included) with ¼-turn quick locks
- Optional accessories: Beam shaper module 19° x 35°, top hat, mounting adapter for one omega holder

Beam shaper (max. zoom)

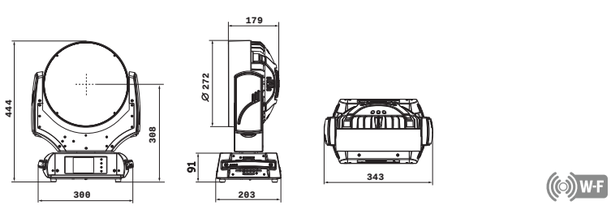


Distance (m)	2	4	6	8	10	12	14	
Red	363/34	91/8	40/3,7	23/2	15/1,3	10/1	7/0,7	
Green	1000/93	250/23	111/10	63/6	40/4	28/3	20/2	
Blue	138/13	34/3	15/1,4	9/0,8	6/0,5	4/0,4	3/0,3	Intensity (center) Lux/Footcandles
White	1288/120	322/30	143/13	81/8	52/5	36/3,3	26/2,4	
R+G+B+W	2188/203	547/51	243/23	137/13	88/8	61/6	45/4	

Beam shaper (min. zoom)



Distance (m)	2	4	6	8	10	12	14	
Red	1063/99	266/25	118/11	66/6	42/4	30/3	22/2	
Green	2686/250	672/62	299/28	169/16	108/10	75/7	55/5	
Blue	375/35	94/9	42/4	23/2	15/1,4	10/1	8/0,7	Intensity (center) Lux/Footcandles
White	3438/319	859/80	382/36	215/20	138/13	96/9	70/7	
R+G+B+W	6281/584	1570/146	698/65	393/37	251/23	175/16	128/12	



ROBIN® 100 LEDBeam

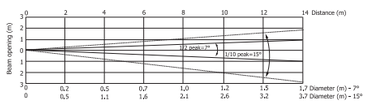
Robe's super fast ROBIN® LED Beam 100 is the ultimate effects lighting tool. A highly optimized motorised control produces speedy pan and tilt movement, three LED zones allow the creation of various colour chases, and the extra punchy 7 degree beam angle can be amplified with fast strobing.

Simplified control via pre-programmed of colours, colour chases and effects on a virtual colour wheel and various strobing and pulsing effects allow quick and easy programming.

Technical Specification

- 12x RGBW LED multichips
- Led Life Expectancy: minimum 60.000 hours
- Typical Lumen Maintenance: 70 % @ 60.000 hours
- Beam angle: 7°
- RGBW or CMY colour mixing, CTO
- Virtual colour wheel with 237 colours including whites (2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K)
- Tungsten lamp effect at whites 2700 K and 3200 K
- Three LED zones, individual color control of each LED zones
- High resolution dimmer 0 – 100 %
- Strobe effect with variable speed
- LED zone strobe effects with variable speed
- Pan and Tilt movement range: 450°/300°
- DMX channels: 35, 19, 14, 9, 35, 37
- 6 DMX protocol modes
- 3-editable programs, each up to 25 steps
- Data in/out: Locking 5-pin XLR
- Two-line LCD display & 4 push buttons
- Communication protocols: USITT DMX-512, RDM
- Wireless CRMX™ technology from Lumen Radio included as optional accessory
- Electronic auto ranging power supply, 100–240 V AC, 50–60 Hz
- Rigging: one pair of 1/4-turn locks +1x Omega bracket with ¼-turn quick locks
- Optional accessories: top hat, diffusion filters 40° and 25°, wireless DMX module

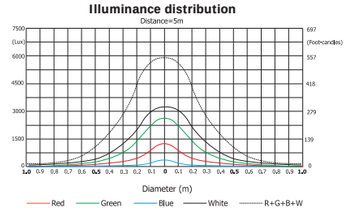
Beam angle 7°

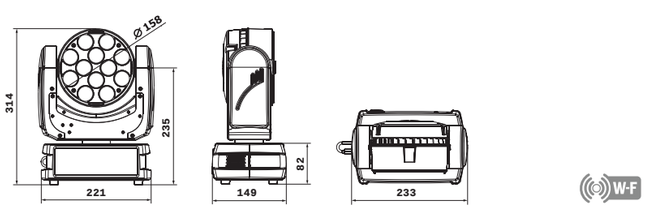


Distance (m)	2	4	5	6	8	10	12	14	
Red	7125/662	1781/166	1140/106	792/74	445/41	285/27	198/18	145/14	
Green	15389/1431	3797/353	2430/226	1688/157	949/88	608/56	422/39	310/29	
Blue	2060/186	500/47	320/30	222/21	125/12	80/7	56/5	41/4	Intensity (center) Lux/Footcandles
White	20125/1870	5031/467	3220/299	2236/208	1258/117	805/75	559/52	411/38	
R+G+B+W	37250/3461	9313/865	5960/554	4139/385	2328/216	1490/138	1035/96	760/71	

Illuminance distribution

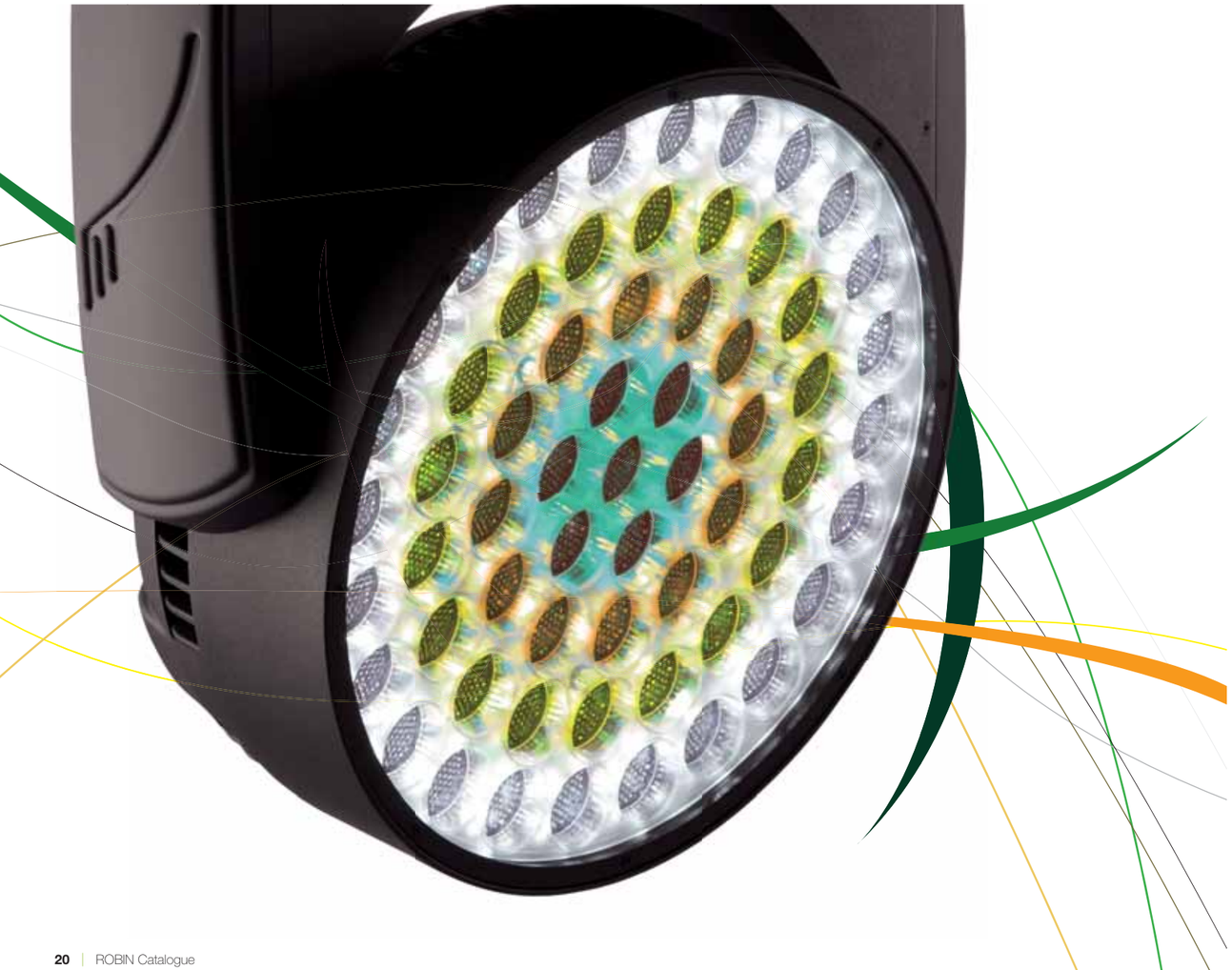
Distance=5m





ROBIN®
Actor Series

Robe's Actor range of wash luminaires brings the flexibility of the award-winning and hugely successful ROBIN LEDWash series to fixed position applications.It has been developed specifically for the theatre and TV markets. This series of static heads with manual pan/tilt comes in 3 sizes. It uses super-bright RGBW multichip LEDs with a motorized 8 – 63 degrees zoom, smooth colour mixing and linear dimming without RGB „break-up" or grey shadows. There is a full DMX control over the zoom angle and colour mixing including 237 preset colours. The series also offers selectable whites, variable CTO, concentric ring effect macros and a full tungsten emulation.



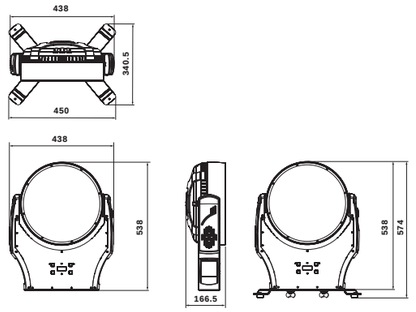
ROBIN® Actor 12

Robe's Actor range of wash luminaires bring the flexibility of the award-winning LEDWash series to fixed position applications. The 300, 600 and 1200 models deliver a small, easy-to--control static head that can be manually locked into position.

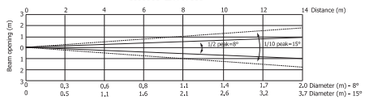
High power 15W RGBW LEDs combined with Robe's patented motorised zoom optical system results in a smooth, flat beam, ranging from 8 to an impressive 63 degrees! There is full DMX control over the zoom angle and colour mixing, including 237 preset colours, selectable whites, variable CTO and concentric ring-effect macros and full tungsten emulation.

Technical Specification

- 61x 15W RGBW multichips
- LED life expectancy: > 60,000 hours
- Typical lumen maintenance: 70% @ 60.000 hours
- Linear motorized zoom: 8°– 63°
- RGBW or CMY colour mixing + variable CTO
- Virtual wheel with pre-programmed 237 colours plus whites (2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K)
- Tungsten lamp effect at whites 2.700 K and 3.200 K
- 4 individually controllable LED rings
- High resolution dimmer 0 – 100%
- Strobe effect with variable speed
- Pre-programmed random strobe & pulse effects
- DMX channels: 45, 21,15,10, 45, 37
- 6 DMX modes
- 3 user defined programs, each up to 99 steps
- Data in/out: Locking 5-pin XLR
- User interface: 2 line LCD display & 4 push buttons
- Communication protocols: USITT DMX-512, RDM
- Wireless CRMX™ technology from Lumen Radio included as optional accessory
- Supply Input: 100–250 V AC, 50–60 Hz auto ranging
- Power connection: Neutrik PowerCon
- Rigging: 1x Omega bracket (included) with ¼-turn quick locks
- Removable floor stand (included)
- Manual Pan and Tilt adjustment & lock

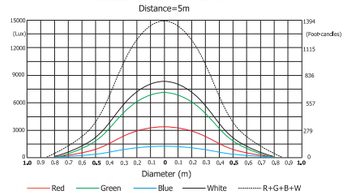


Min. zoom

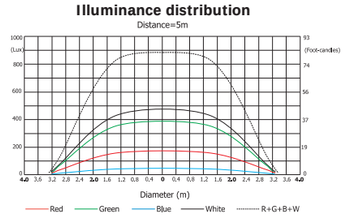


Distance (m)	2	4	5	6	8	10	12	14	
Red	20150/1881	5062/470	3240/301	2250/209	1266/118	810/75	563/52	413/38	Intensity (center) Lux/Footcandles
Green	44062/4093	11015/1023	7050/655	4895/455	2754/256	1762/164	1224/114	899/84	
Blue	5625/523	1406/131	900/84	625/58	352/33	225/21	156/15	115/11	
White	50187/4663	12547/1165	8030/746	5576/518	3137/291	2007/187	1394/130	980/91	
R+G+B+W	94765/8803	23687/2200	15000/1394	10528/978	5922/550	3790/352	2632/245	1934/180	

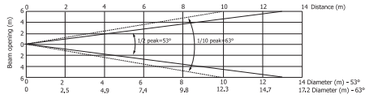
Illuminance distribution



Illuminance distribution



Max. zoom



Distance (m)	2	4	5	6	8	10	12	14	
Red	1150/106	288/27	184/17	129/12	72/7	46/4	32/3	24/2	Intensity (center) Lux/Footcandles
Green	2438/227	609/57	390/36	271/25	152/14	98/6	68/6	50/5	
Blue	331/31	83/8	53/5	37/3,4	20/2	13/1	9/0,9	7/0,6	
White	3000/278	750/70	480/45	333/31	188/17	120/11	83/8	61/6	
R+G+B+W	5563/517	1391/129	890/83	618/57	348/32	222/21	154/14	114/11	

ROBIN® Actor 6

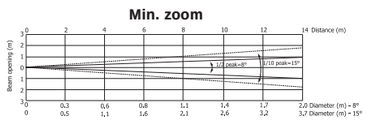
Robe's Actor range of wash luminaires bring the flexibility of the award-winning LEDWash series to fixed position applications. The 300, 600 and 1200 models deliver a small, easy-to-control static head that can be manually locked into position.

High power 15W RGBW LEDs combined with Robe's patented motorised zoom optical system result in a smooth, flat beam, ranging from 8 to an impressive 63 degrees! There is full DMX control over the zoom angle and colour mixing, including 237 preset colours, selectable whites, variable CTO and concentric ring-effect macros and full tungsten emulation.

Technical Specification

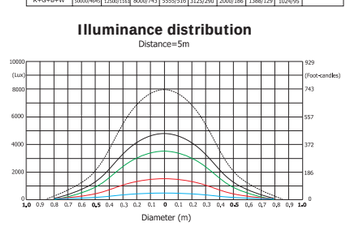
- 37x 15W RGBW multichips
- LED life expectancy: > 60,000 hours
- Typical lumen maintenance: 70% @ 60.000 hours
- Linear motorized zoom: 8°– 63°
- RGBW or CMY colour mixing + variable CTO
- Virtual wheel with pre-programmed 237 colours plus whites (2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K)
- Tungsten lamp effect at whites 2.700 K and 3.200 K
- 3 individually controllable LED rings
- High resolution dimmer 0 –100%
- Strobe effect with variable speed
- Pre-programmed random strobe & pulse effects
- DMX channels: 32, 16, 10, 5, 32,37
- 6 DMX modes
- 3 user defined programs, each up to 40 steps
- Data in/out: Locking 5-pin XLR
- User interface: 2 line LCD display & 4 push buttons
- Communication protocols: USITT DMX-512, RDM
- Wireless CRMX™ technology from Lumen Radio included as optional accessory
- Supply Input: 100–240 V AC, 50–60 Hz auto ranging
- Power connection: Neutrik PowerCon
- Rigging: 1x Omega bracket (included) with ¼-turn quick locks
- Removable floor stand (included)
- Manual Pan and Tilt adjustment & lock

Min. zoom

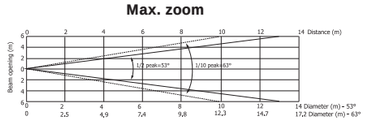


Distance (m)	2	4	5	6	8	10	12	14	
Red	10313/958	2578/240	1650/153	1146/107	645/60	413/38	287/27	211/20	
Green	23625/2195	5906/549	3780/351	2625/244	1477/137	945/88	656/61	482/45	Intensity (center) Lux/Footcandles
Blue	3562/331	891/83	570/53	396/37	223/21	143/13	99/9	73/7	
White	30625/2845	7656/711	4900/455	3403/316	1914/178	1225/114	851/79	625/58	
R+G+B+W	50000/4645	12500/1161	8000/743	5555/516	3125/290	2000/186	1388/129	1024/95	

Illuminance distribution

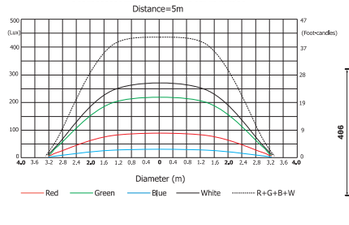


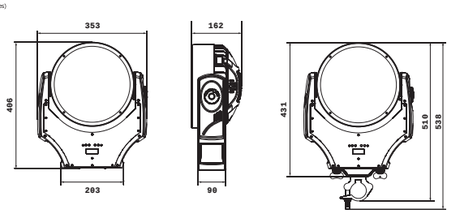
Max. zoom



Distance (m)	2	4	5	6	8	10	12	14	
Red	594/55	148/14	95/9	66/6	37/3,4	24/2,2	17/1,6	12/1,1	
Green	1344/125	336/31	215/20	149/14	84/8	54/5	37/3,5	27/2,5	Intensity (center) Lux/Footcandles
Blue	188/17	47/4,4	30/2,8	21/2	12/1	8/0,7	5/0,5	4/0,4	
White	1688/157	422/39	270/25	188/17	106/10	68/6	47/4	34/3	
R+G+B+W	2863/266	716/67	458/43	318/30	179/17	115/11	80/7	58/5	

Illuminance distribution





ROBIN® Actor 3

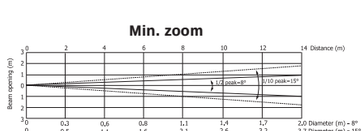
Robe's Actor range of wash luminaires bring the flexibility of the Aaward-winning LEDWash series to fixed position applications. The 300, 600 and 1200 models deliver a small, easy-to-control static head that can be manually locked into position.

High power 15W RGBW LEDs combined with Robe's patented motorised zoom optical system result in a smooth, flat beam, ranging from 8 to an impressive 63 degrees! There is full DMX control over the zoom angle and colour mixing, including 237 preset colours, selectable whites, variable CTO and concentric ring-effect macros and full tungsten emulation.

Technical Specification

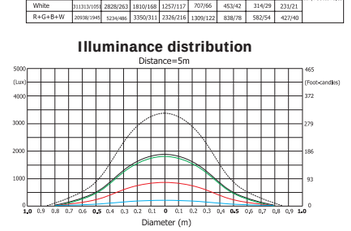
- 19x 15W RGBW multichips
- LED life expectancy: > 60,000 hours
- Typical lumen maintenance: 70% @ 60.000 hours
- Linear motorized zoom: 8°– 63°
- RGBW or CMY colour mixing + variable CTO
- Virtual wheel with pre-programmed 237 colours plus whites (2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K)
- Tungsten lamp effect at whites 2.700 K and 3.200 K
- 3 individually controllable LED rings
- High resolution dimmer 0 –100%
- Strobe effect with variable speed
- Pre-programmed random strobe & pulse effects
- DMX channels: 32, 16, 10, 5, 32,37
- 6 DMX modes
- 3 user defined programs, each up to 40 steps
- Data in/out: Locking 5-pin XLR
- User interface: 2 line LCD display & 4 push buttons
- Communication protocols: USITT DMX-512, RDM
- Wireless CRMX™ technology from Lumen Radio included as optional accessory
- Supply Input: 100–240 V AC, 50–60 Hz auto ranging
- Power connection: Neutrik PowerCon
- Rigging: 1x Omega bracket (included) with ¼-turn quick locks
- Removable floor stand (included)
- Manual Pan and Tilt adjustment & lock

Min. zoom

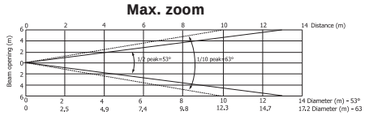


Distance (m)	2	4	5	6	8	10	12	14	
Red	5256/488	1314/122	841/78	584/54	328/31	210/20	146/14	107/10	
Green	11125/1034	2781/258	1780/165	1236/115	695/65	445/41	309/29	227/21	Intensity (center) Lux/Footcandles
Blue	1313/122	328/31	210/20	146/14	82/8	53/5	37/3,4	27/2,5	
White	21133/1959	2828/263	1810/168	1257/117	707/66	453/42	314/29	231/21	
R+G+B+W	20938/1945	5234/486	3350/311	2326/216	1309/122	838/78	582/54	427/40	

Illuminance distribution

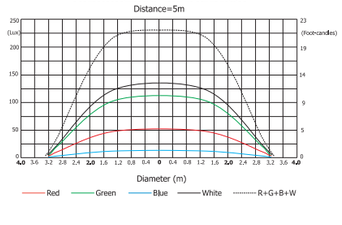


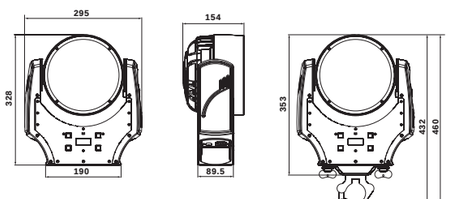
Max. zoom



Distance (m)	2	4	5	6	8	10	12	14	
Red	331/31	83/8	53/5	37/3,4	21/2	13/1,2	9/0,9	7/0,6	
Green	719/67	180/17	115/11	80/7,4	45/4,2	29/2,7	20/1,9	15/1,4	Intensity (center) Lux/Footcandles
Blue	94/9	23/2,2	15/1,4	10/1	6/0,5	4/0,3	3/0,3	2/0,1	
White	850/79	213/20	136/13	94/9	53/5	34/3	24/2,2	17/1,6	
R+G+B+W	1444/134	361/34	231/22	160/15	90/8,4	58/5,4	40/3,7	30/2,7	

Illuminance distribution





ROBIN®
600 Series

Robe's brand new Robin 600 Series offers powerful and extremely bright moving light technology in a compact housing. Together with the latest addition of Multichip LED based ROBIN® 600 LED Wash, the Robin 600 series currently includes the ROBIN® 600E Spot, ROBIN® 600E Beam and ROBIN® 600E Wash, all of which use a new patented cooling system, a new optical system and offer a full range of innovative features.

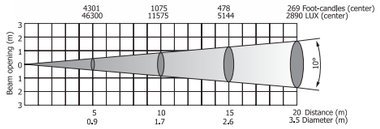
ROBIN® 600E Spot

The ROBIN® 600E Spot has a dramatically increased light output (from the 300 Series) and lower power requirements - thanks to an optimized optical path made from carefully selected components. The super strong light-output can be maximised by using Robe's unique HotSpot Control system together with the linear iris to create very powerful beam effects.

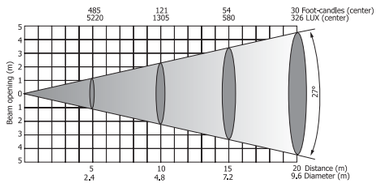
An innovative patented cooling system ensures the best lamp operating temperatures and allows DMX controlled noise reduction. Users have complete control of all features of this fixture, making it ideal for environments where noise levels are critical and light output requirements are high.

Lamp: MSR Gold 575/2 MiniFastFit

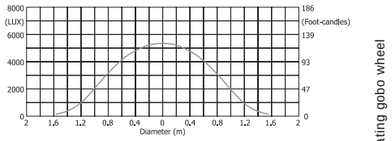
Beam angle 10° - min. zoom



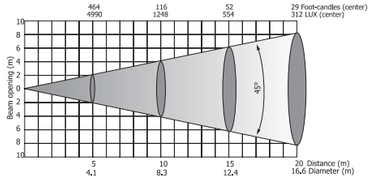
Beam angle 10° with frost



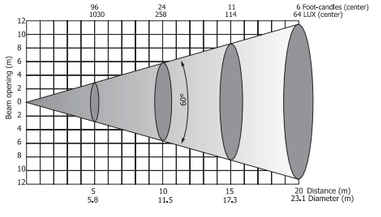
Beam angle 10° with frost, distance = 5m



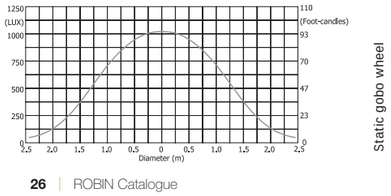
Beam angle 45° - max. zoom



Beam angle 45° with frost



Beam angle 45° with frost, distance = 5m

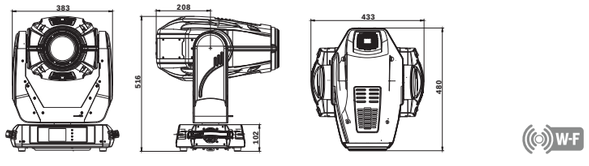


Rotating gobo wheel

Static gobo wheel

Technical Specification

- NEW Philips MSR Gold 575/2 MiniFastFit lamp, CCT 7.500 K, Luminous flux 37.000 Lm, CRI>70, 750 hrs lamp life, PGJX 28
- RNS2 - Innovated Robe Navigation System with LCD touch screen and battery backup, gravitation sensor for auto screen positioning and operation memory service log with RTC (patent pending)
- Linear motorized zoom 10 °–45 ° (2 ° - min. zoom with iris, 60° - max. zoom with frost) (patent pending)
- CMY+CTO dichroic colour flag system – for smooth and fast colour mixing (patent pending)
- Colour wheel with 7+1 user replaceable "SLOT&LOCK" trapezoid shaped positions (patent pending)
- Rotating gobo wheel with 7+1 user replaceable "SLOT&LOCK" gobos (patent pending)
- Static gobo wheel with 9+1 user replaceable "SLOT&LOCK" gobos (patent pending)
- 3-facet 11 ° rotating indexable prism
- Extremely fast motorized iris, opening and closing pulses up to 3 Hz (patent pending)
- Variable frost effect
- Remote beam flatness/hotspot control (patent pending)
- Mechanical dimmer/shutter, Strobe effect 1–10 Hz
- Electronic ballast with dimming and strobing possibilities
- Electronic auto ranging power supply 100–240 V AC, 50/60 Hz
- Pan and tilt movement in 16/8 bit resolution 540 °/280 ° with locking mechanism
- Communication protocols USITT DMX-512, ArtNet, MA Net, MA Net2, RDM
- Optional wireless version available: CRMX™ technology from Lumen Radio
- New lamp cooling system (patent pending)



W-F

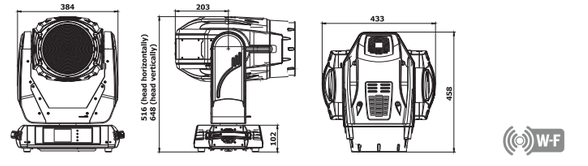
ROBIN® 600E Beam

The ROBIN® 600E Beam has an amazing linear iris ranging between 1 and 6.5 degrees. By implementing this feature over a wider range, users can have full control over the beam size. It has also enabled the provision of more gobos in the gobo wheels for customizable beam shaping. Two black-hole positions are available for a full and fast blackout in dark-sensitive environments.

The extended focusing range also allows for very precise focusing, starting with closer distances.

Technical Specification

- NEW Philips MSR Gold 575/2 MiniFastFit lamp, CCT 7.500 K, Luminous flux 37.000 Lm, CRI>70, 750 hrs lamp life, PGJX 28
- Electronic auto ranging power supply, 100-240 V AC, 50/60 Hz
- RNS2 - Innovated Robe Navigation System with LCD touch screen and battery backup, gravitation sensor for auto screen positioning and operation memory service log with RTC (patent pending)
- Beam angle 1 °–6.5 ° (linear control)
- Full CMY dichroic colour flag system – for smooth and fast colour mixing, predefined colour macros
- 7+1 user replaceable "SLOT&LOCK" trapezoid shaped positions on the colour wheel (patent pending)
- Rotating gobo wheel with 7+1 user replaceable "SLOT&LOCK" gobos (patent pending)
- Static gobo wheel with 7 gobos + open position
- Motorized focus
- Variable frost effect, pulse sequences
- Extremely fast motorized iris, opening and closing pulses up to 3 Hz (patent pending)
- Mechanical dimmer/shutter, Strobe effect 1–10 Hz
- Electronic ballast with dimming and el. strobing possibilities
- Pan and Tilt movement in 16/8 bit resolution 540 °/260 ° with locking mechanism
- Communication protocols USITT DMX-512, ArtNet, MA Net, MA Net2, RDM
- Optional wireless version available: CRMX™ technology from Lumen Radio
- New lamp cooling system (patent pending)



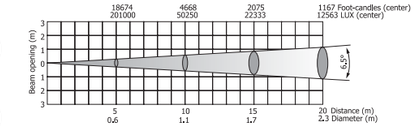
W-F

Rotating gobo wheel

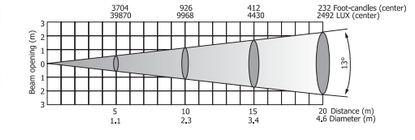
Colour wheel

Lamp: MSR Gold 575/2 MiniFastFit

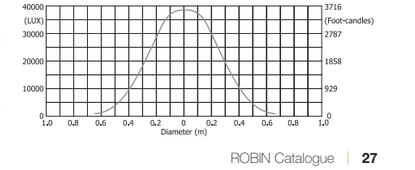
Beam angle 6.5°



Beam angle 6.5° with frost



Beam angle 6.5° with frost, distance = 5m



Static gobo wheel

ROBIN® 600 LEDWash

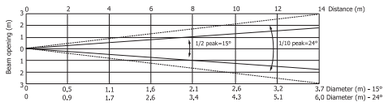
The super-slim ROBIN® LEDWash 600 features 37 RGBW multichip LEDs with colour output ranging from gentle pastels to the richest saturation.

Arranged in 3 concentric rings these LEDs offer unique possibilities for creating stunning colour and pattern audience blinding effects as well as for providing comprehensive and perfectly even wash coverage. This system sets the LEDWash 600 ahead of any other LED wash light products, making it a truly 'multi-purpose' unit, equipped also with extremely versatile 15 – 60 degree motorized zoom, powerful fast strobing and pre-programmed pulse strobe effects.

Technical Specification

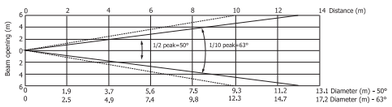
- 37 RGBW LED multichips
- Led Life Expectancy: minimum 60.000 hours
- Typical Lumen Maintenance: 70% @ 60.000 hours
- Linear motorized zoom: 15 °– 60 °
- RGBW colour mixing, CTO
- Virtual colour wheel with 237 colours including whites (2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K)
- High resolution dimmer 0 – 100%
- Strobe effect with variable speed
- LED zone strobe effects with variable speed
- DMX channels: 37/21/15/10/37
- 5 DMX protocol modes
- 3-editable programs, each up to 100 steps
- Ethernet port: Art-Net protocol, ready for ACN
- Data in/out: Locking 3-pin & 5-pin XLR
- RNS2 - Robe Navigation System with LCD touchscreen and battery backup, gravitation sensor for auto screen positioning and operation memory service log with RTC
- Communication protocols: USITT DMX-512, ArtNet, MA Net, MA Net2, RDM
- Optional wireless version available: CRMX™ technology from Lumen Radio
- Electronic auto ranging power supply, 100 – 240 V AC, 50/60 Hz
- Power consumption: 415 W
- Pan and Tilt movement range: 450 °/300 °; 16 bit resolution
- Mounting points: 2 pairs of 1/4-turn locks

Min. zoom



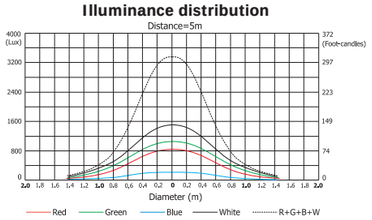
Distance (m)	2	4	5	6	8	10	12	14	
Red	3831/356	958/89	613/57	426/40	240/22	153/14	106/10	78/7	Intensity (center) Lux/Footcandles
Green	6775/629	21694/152	1084/101	753/70	423/40	271/25	188/18	138/13	
Blue	1286/120	322/30	206/19	143/13	81/8	52/5	36/3	26/2,4	
White	9550/887	2387/222	1528/142	1061/99	597/56	382/36	265/25	195/18	
R+G+B+W	20875/1939	5218/485	3340/310	2319/216	1305/121	835/78	580/54	426/40	

Max. zoom

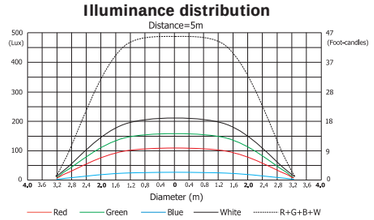


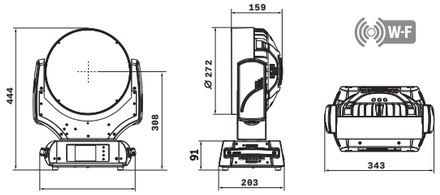
Distance (m)	2	4	5	6	8	10	12	14	
Red	544/51	136/13	87/8	60/6	34/3	22/2	15/1,4	11/1	Intensity (center) Lux/Footcandles
Green	1031/96	258/24	165/15	115/11	65/6	41/4	29/3	21/2	
Blue	200/19	50/5	32/3	22/2	13/1,2	8/0,7	6/0,5	4/0,4	
White	1338/124	334/31	214/20	149/14	84/8	54/5	37/4	27/2,5	
R+G+B+W	3038/282	759/71	486/45	338/31	190/18	122/11	84/8	62/6	

Illuminance distribution



Illuminance distribution





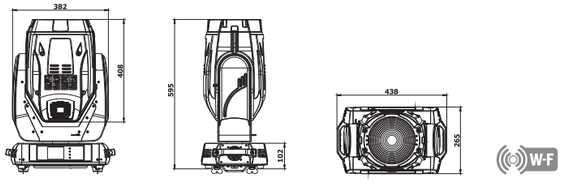
ROBIN® 600E Wash

The ROBIN® 600E Wash also features a massively increased light output and lower power requirements - thanks to an optimized optical path comprising of carefully selected components. A unique silent control system enables users to carefully adjust the desired noise levels while maintaining the best lamp operating temperatures, due to the newly patented lamp cooling system.

All "Top Hat" accessories are compatible with the new ROBIN® 600E Wash fixture.

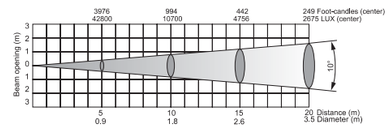
Technical Specification

- NEW Philips MSR Gold 575/2 MiniFastFit lamp, CCT 7.500 K, Luminous flux 37.000 Lm, CRI>70, 750hrs lamp life, PGJX 28
- Motorized zoom 10 °– 35 °
- RNS2 - Innovated Robe Navigation System with LCD touch screen and battery backup gravitation sensor for auto screen positioning and operation memory service log with RTC (patent pending)
- CMY+CTO dichroic colour flag system for fast and smooth colour mixing (patent pending)
- 7+1 user replaceable magnetic "SLOT&LOCK" trapezoid shaped positions on the colour wheel (patent pending)
- Mechanical dimmer/shutter, Strobe effect 1 – 10 Hz
- Electronic ballast with dimming and el. strobing possibilities
- Dichroic glass reflector
- Electronic auto ranging power supply, 100– 240 V AC, 50/60 Hz
- Pan and Tilt movement in 16/8 bit resolution 540 °/260 ° with locking mechanism
- Communication protocols USITT DMX-512, ArtNet, MA Net, MA Net2, RDM
- Optional wireless version available: CRMX™ technology from Lumen Radio
- New lamp cooling system (patent pending)

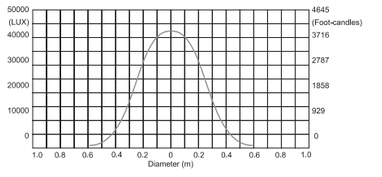


Lamp: MSR Gold 575/2 MiniFastFit

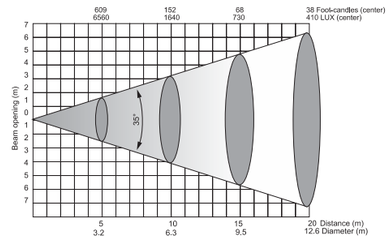
FRESNEL LENS: Beam angle 10° - min. zoom



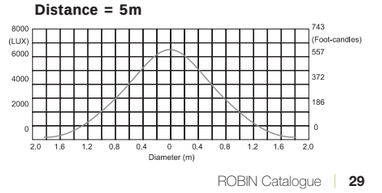
Distance = 5m



FRESNEL LENS: Beam angle 35° - max. zoom



Distance = 5m



Colour wheel

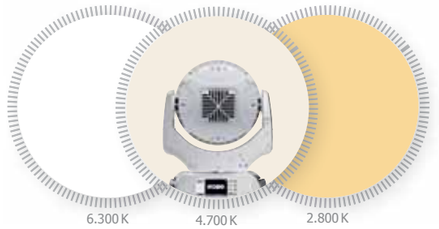
ROBIN®
PureWhite Series

Spotlessly even light output of the highly popular ROBIN® 600 LEDWash comes in a PureWhite version, offering smooth output of white only variations. There are 3 versions - DayLight (6.300 K), WarmWhite (3.000 K) and SmartWhite which is variable from 6.300 – 2.800 K. The 10 W Cree LED multichips are arranged in 3 concentric rings for providing comprehensive and perfectly even wash coverage, ideal for car shows, theaters and thank to the flicker free LED operation also for TV studios. Fast 15 – 60 degree motorized zoom, speedy pan and tilt movement and powerful fast strobing with pre-programmed strobe effects of all LEDs or per each individual ring can turn this wash unit into very effective blinding tool.

ROBIN® 600 PureWhite
Smart White

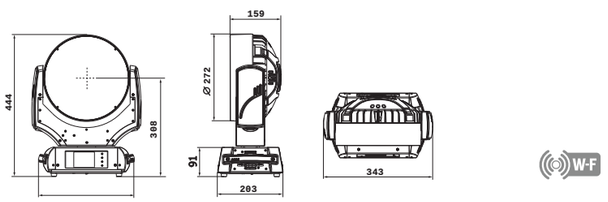
The SmartWhite version uses 37 white only multichip LEDs in combination of 6.300K and 2800K colour temperature arranged in 3 concentric rings for providing comprehensive and perfectly even wash coverage, allowing to adjust the colour temperature according to the needs of the environment.

This renders the fixture as a perfect tool for all jobs including carshows, theaters and thank to the flicker free LED operation also for TV studios. Fast 15 – 60 degree motorized zoom, speedy pan and tilt movement and powerful fast strobing with pre-programmed strobe effects of all LEDs or per each individual ring can turn this wash unit into very effective blinding tool.

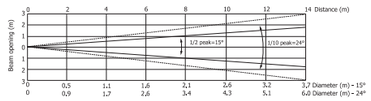


Technical Specification

- Light source: 37 DL/WW LED multichips
- Led Life Expectancy: minimum 60.000 hours
- Typical Lumen Maintenance: 70% @ 60.000 hours
- Linear motorized zoom: 15°– 60°
- High resolution dimmer 0 – 100%
- Strobe effect with variable speed (max. 20 flashes per second)
- DMX channels: 24/16/12/10/24
- 5 DMX protocol modes
- 3-editable programs, each up to 100 steps
- Ethernet port: Art-Net protocol, ready for ACN
- Data in/out: Locking 3-pin & 5-pin XLR
- RNS2 - Robe Navigation System with LCD touchscreen and battery backup, gravitation sensor for auto screen positioning and operation memory service log with RTC
- Communication protocols: USITT DMX-512, ArtNet, MA Net, MA Net2, RDM
- Optional wireless version available: CRMX™ technology from Lumen Radio
- Electronic auto ranging power supply, 100 – 240 V AC, 50/60 Hz
- Power consumption: 415 W
- Pan and Tilt movement range: 450°/300°; 16 bit resolution
- Mounting points: 2 pairs of 1/4-turn locks



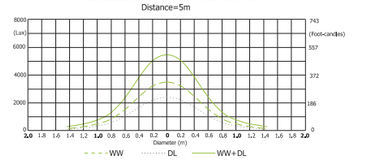
Min. zoom



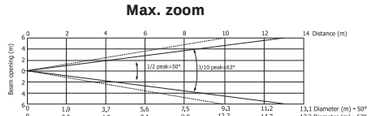
Distance (m)	2	4	5	6	8	10	12	14	Intensity (center) Lux/Foot-candles
WW (2800K)	15188/1411	3797/353	2430/226	1688/157	950/89	608/56	422/39	310/29	
DL (6300K)	22388/2081	5947/515	3550/330	2465/229	1387/129	888/83	616/57	452/42	
WW+DL (4700K)	34375/3194	8594/798	5500/511	3819/355	2148/200	1375/128	955/89	700/65	

Illuminance distribution

Distance=5m



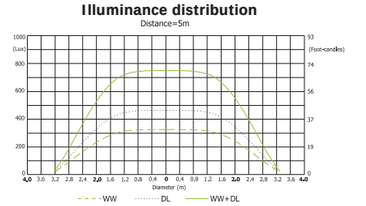
Max. zoom



Distance (m)	2	4	5	6	8	10	12	14	Intensity (center) Lux/Foot-candles
WW (2800K)	2000/186	500/47	320/30	222/21	125/12	80/7	56/5	41/4	
DL (6300K)	2938/273	734/68	470/44	184/17	184/17	118/11	82/8	60/6	
WW+DL (4700K)	4688/436	1172/109	750/70	521/48	293/27	188/17	130/12	96/9	

Illuminance distribution

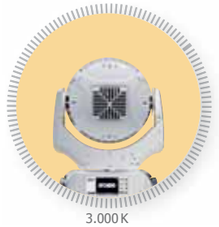
Distance=5m



ROBIN® 600 PureWhite
WarmWhite

The WarmWhite version uses 37 white only multichip LEDs with 3.000K colour temperature arranged in 3 concentric rings for providing their full power for comprehensive and perfectly even wash coverage, It is the perfect tool for places where warmer colour temperature is required for cameras and dramatic effect, making it most useful in theaters and thanks to the flicker free LED operation also in TV studios.

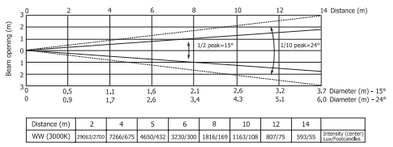
Fast 15 – 60 degree motorized zoom, speedy pan and tilt movement and powerful fast strobing with pre-programmed strobe effects of all LEDs or per each individual ring can turn this wash unit into very effective blinding tool.



Technical Specification

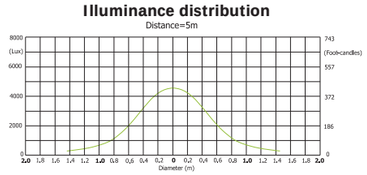
- Light source: 37 WW LED multichips
- Led Life Expectancy: minimum 60.000 hours
- Typical Lumen Maintenance: 70% @ 60.000 hours
- Linear motorized zoom: 15 °– 60 °
- High resolution dimmer 0 – 100 %
- Strobe effect with variable speed (max. 20 flashes per second)
- DMX channels: 18/12/13/10/18
- 5 DMX protocol modes
- 3-editable programs, each up to 100 steps
- Ethernet port: Art-Net protocol, ready for ACN
- Data in/out: Locking 3-pin & 5-pin XLR
- RNS2 - Robe Navigation System with LCD touchscreen and battery backup, gravitation sensor for auto screen positioning and operation memory service log with RTC
- Communication protocols: USITT DMX-512, ArtNet, MA Net, MA Net2, RDM
- Optional wireless version available: CRMX™ technology from Lumen Radio
- Electronic auto ranging power supply, 100 – 240 V AC, 50/60 Hz
- Power consumption: 415 W
- Pan and Tilt movement range: 450 °/300 °; 16 bit resolution
- Mounting points: 2 pairs of 1/4-turn locks

Min. zoom

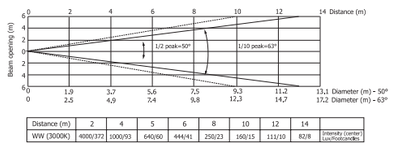


Distance (m)	2	4	5	6	8	10	12	14	
WW (3000K)	2906/2700	7266/675	4650/432	3230/300	1816/169	1163/108	807/75	593/55	Intensity (center) Lux/Footcandles

Illuminance distribution

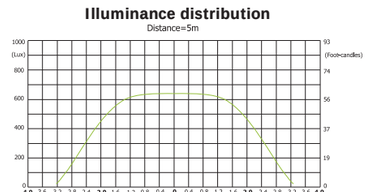


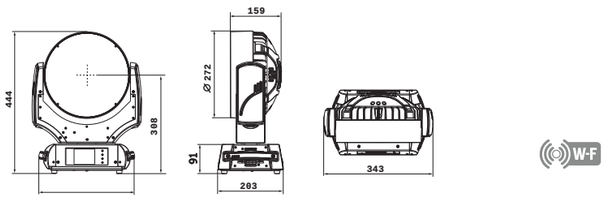
Max. zoom



Distance (m)	2	4	5	6	8	10	12	14	
WW (3000K)	4000/372	1000/93	640/60	444/41	250/23	160/15	111/10	82/8	Intensity (center) Lux/Footcandles

Illuminance distribution





ROBIN® 600 PureWhite
DayLight

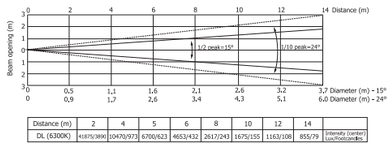
The Day Light version uses 37 white only multichip LEDs with 6.300K colour temperature arranged in 3 concentric rings for providing their full power for comprehensive and perfectly even wash coverage. It is an deal light where colder colour temperature is required, mainly for car shows, concerts and thank to the flicker free LED operation also for TV studios.

Fast 15 – 60 degree motorized zoom, speedy pan and tilt movement and powerful fast strobing with pre-programmed strobe effects of all LEDs or per each individual ring can turn this wash unit into very effective blinding tool.

Technical Specification

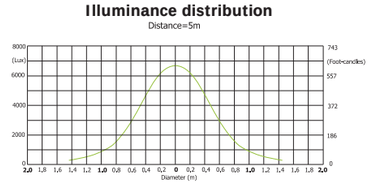
- Light source: 37 DL LED multichips
- Led Life Expectancy: minimum 60.000 hours
- Typical Lumen Maintenance: 70% @ 60.000 hours
- Linear motorized zoom: 15 °– 60 °
- High resolution dimmer 0 – 100%
- Strobe effect with variable speed (max. 20 flashes per second)
- DMX channels: 18/12/13/10/18
- 5 DMX protocol modes
- 3-editable programs, each up to 100 steps
- Ethernet port: Art-Net protocol, ready for ACN
- Data in/out: Locking 3-pin & 5-pin XLR
- RNS2 - Robe Navigation System with LCD touchscreen and battery backup, gravitation sensor for auto screen positioning and operation memory service log with RTC
- Communication protocols: USITT DMX-512, ArtNet, MA Net, MA Net2, RDM
- Optional wireless version available: CRMX™ technology from Lumen Radio
- Electronic auto ranging power supply, 100 – 240 V AC, 50/60 Hz
- Power consumption: 415 W
- Pan and Tilt movement range: 450 °/300 °; 16 bit resolution
- Mounting points: 2 pairs of 1/4-turn locks

Min. zoom

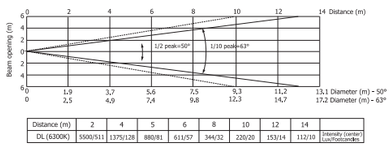


Distance (m)	2	4	5	6	8	10	12	14	
DL (6300K)	4187/3896	10470/973	6700/623	4653/432	2617/243	1675/155	1163/108	855/79	Intensity (center) Lux/Footcandles

Illuminance distribution

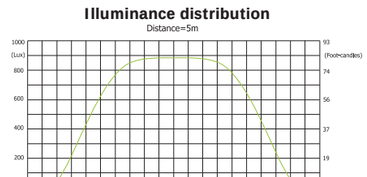


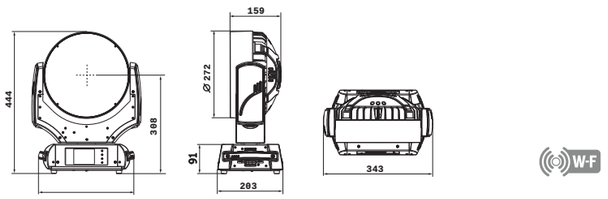
Max. zoom



Distance (m)	2	4	5	6	8	10	12	14	
DL (6300K)	5500/511	1375/128	880/81	611/57	344/32	220/20	153/14	112/10	Intensity (center) Lux/Footcandles

Illuminance distribution





ROBIN®
300 Series

The Robin 300 Series offers powerful lights in compact housings, each one utilising all the new features of ROBE's Innovative Technology. Collectively with newly added Multichip LED based ROBIN® 300 LED Wash, the Robin 300 range includes the new Plasma Lamp based products, the ROBIN® 300 Plasma Spot and ROBIN® 300 Plasma Wash, plus a few new discharge lamp based products including the ROBIN® 300E Spot, ROBIN® 300E Wash and ROBIN® 300E Beam.

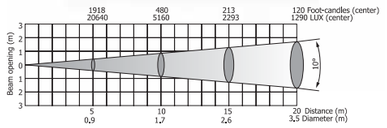
ROBIN® 300E Spot

Onboard is a package of specially designed modular features including a large 10°–40° zoom, CMY+CTO, static and rotating gobo wheels, colour wheel, frost, iris and many more.

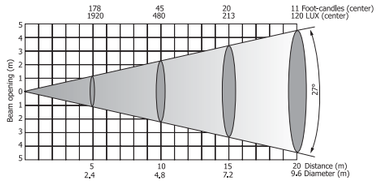
ROBIN® 300E Spot light is a neat, punchy profile fixture with superior functions such as a large linear zoom and dynamic hot-spot control, ideal for a wide range of applications. A full package of rotating and static gobos plus full CMY+CTO and colour wheels give a standard base for any show. Advanced features like variable frost, linear iris, rotating prism and speedy mechanical shutters provide subtle and detailed fine-tuning.

Lamp: MSD Gold 300/2 MiniFastFit

Beam angle 10° - min. zoom

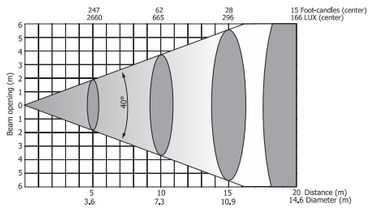


Beam angle 10° with frost

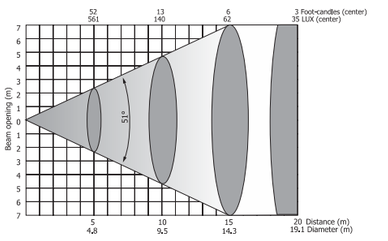


Beam angle 10° with frost, distance = 5m

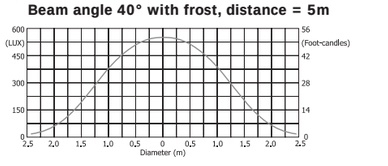
Beam angle 40° - max. zoom



Beam angle 40° with frost



Beam angle 40° with frost, distance = 5m

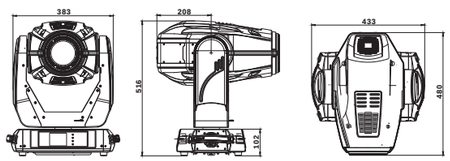


Rotating gobo wheel

Static gobo wheel

Technical Specification

- NEW Philips MSD Gold 300/2 MiniFastFit lamp, CCT 8.800 K, Luminous flux 22.000 Lm, CRI=75, 2.000 hrs lamp life
- RNS2 - Innovated Robe Navigation System with LCD touch screen and battery backup, gravitation sensor for auto screen positioning and operation memory service log with RTC (patent pending)
- Linear motorized zoom 10 °–40 ° (patent pending)
- CMY+CTO dichroic colour flag system - for smooth and fast colour mixing (patent pending)
- Colour wheel with 7+1 user replaceable "SLOT&LOCK" trapezoid shaped positions (patent pending)
- Rotating gobo wheel with 7+1 user replaceable "SLOT&LOCK" gobos (patent pending)
- Static gobo wheel with 9+1 user replaceable "SLOT&LOCK" gobos (patent pending)
- 3-facet 11° rotating indexable prism
- Extremely fast motorized iris, opening and closing pulses up to 3 Hz (patent pending)
- Variable frost effect
- Remote beam flatness/hotspot control (patent pending)
- Mechanical shutter/dimmer
- Electronic ballast with dimming and strobing possibilities
- Electronic auto ranging power supply 100-240 V AC, 50/60 Hz
- Pan and tilt movement in 16/8 bit resolution 540 °/280 ° with locking mechanism
- Communication protocols USITT DMX-512, ArtNet, MA Net, MA Net2, RDM
- Optional wireless version available: CRMX™ technology from Lumen Radio



W-F

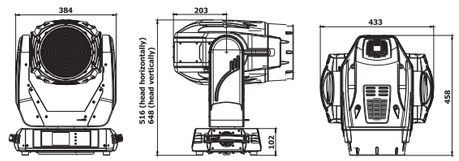
ROBIN® 300E Beam

The ROBIN® 300E Beam uses a Philips MSD Gold 300/2 MiniFastFit lamp and has a beam angle of 1.5–6.5 degrees, complete with dichroic glass reflector for maximising the light output. As with all Robe fixtures, there are hosts of creative features. In addition to full colour mixing, there is a colour wheel with 7 replaceable "SLOT&LOCK" dichroic filters, plus static and rotating gobo wheels. The ROBIN® 300E Beam has a variable frost effect for the smooth transition from a beam light to a regular wash light. Full dimming, a variable strobe effect and a pan-and-tilt of 540/260 degrees are also onboard.

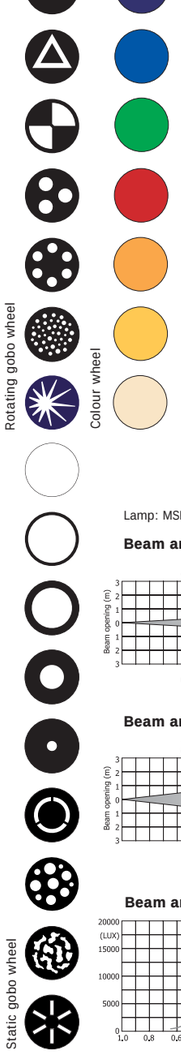
The Robin 300E Beam is robustly engineered to Robe's exacting specifications and reliability standards.

Technical Specification

- NEW Philips MSD Gold 300/2 MiniFastFit lamp, CCT 8.800 K, Luminous flux 22.000 Lm, CRI=75, 2.000 hrs lamp life
- Electronic auto ranging power supply, 100–240 V AC, 50/60 Hz
- RNS2 - Innovated Robe Navigation System with LCD touch screen and battery backup, gravitation sensor for auto screen positioning and operation memory service log with RTC (patent pending)
- Beam angle 1,5 °–6,5 °
- Full CMY dichroic colour flag system - for smooth and fast colour mixing, predefined colour macros
- 7+1 user replaceable "SLOT&LOCK" trapezoid shaped positions on the colour wheel (patent pending)
- Rotating gobo wheel with 7+1 user replaceable "SLOT&LOCK" gobos (patent pending)
- Static gobo wheel with 5 gobos, 4 beam reducers + open position
- Motorized focus
- Variable frost effect, pulse sequences
- Mechanical dimmer/shutter, Strobe effect 1-10 Hz
- Electronic ballast with dimming and el. strobing possibilities
- Pan and Tilt movement in 16/8 bit resolution 540 °/260 ° with locking mechanism
- Communication protocols USITT DMX-512, ArtNet, MA Net, MA Net2, RDM
- Optional wireless version available: CRMX™ technology from Lumen Radio

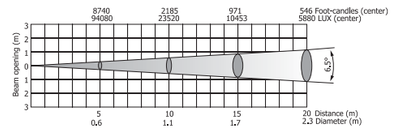


W-F

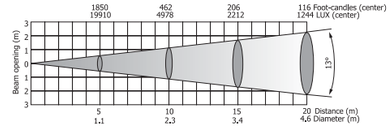


Lamp: MSD Gold 300/2 MiniFastFit

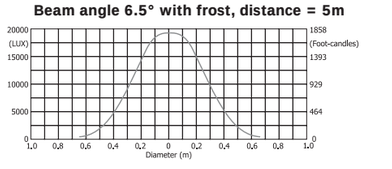
Beam angle 6.5°



Beam angle 6.5° with frost



Beam angle 6.5° with frost, distance = 5m

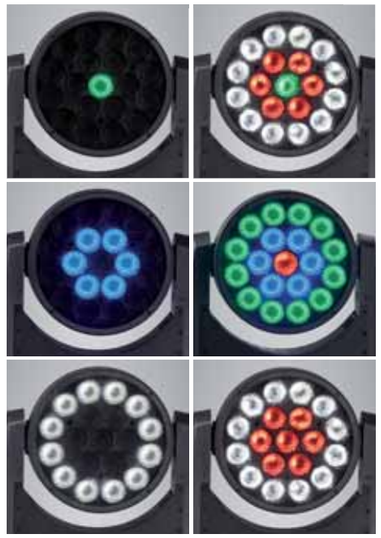


ROBIN® 300 LEDWash

Utilizing 19 multichip LEDs and motorized linear zoom 15 – 60 degrees the ROBIN® LEDWash 300 offers great flexibility with superior homogenization of the light source.

Specialized component optics composed of highly efficient elements ensures completely smooth colour mixing and it emphasizes dynamic array of true colours and hues.

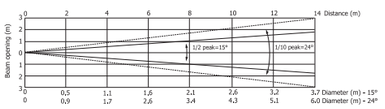
This lightweight compact fixture is ideal for all small-to-medium applications, particularly those where space and accessibility is an issue.



Technical Specification

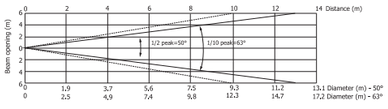
- 19 RGBW LED multichips
- Led Life Expectancy: minimum 60.000 hours
- Typical Lumen Maintenance: 70 % @ 60.000 hours
- Linear motorized zoom: 15 °– 60 °
- RGBW colour mixing, CTO
- Virtual colour wheel with 237 colours including whites (2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K)
- High resolution dimmer 0 – 100 %
- LED zone strobe effects with variable speed
- Pre-programmed random strobe pulse-effects
- DMX channels: 37/21/15/10/37
- 5 DMX protocol modes
- 3-editable programs, each up to 100 steps
- Ethernet port: Art-Net protocol, ready for ACN
- Data in/out: Locking 3-pin & 5-pin XLR
- RNS2 - Robe Navigation System with LCD touchscreen and battery backup, gravitation sensor for auto screen positioning and operation memory service log with RTC
- Communication protocols: USITT DMX-512, ArtNet, MA Net, MA Net2, RDM
- Optional wireless version available: CRMX™ technology from Lumen Radio
- Electronic auto ranging power supply, 100 – 240 V AC, 50/60 Hz
- Power consumption: 200 W
- Pan and Tilt movement range: 450 °/300 °; 16 bit resolution
- Mounting points: 2 pairs of 1/4-turn locks

Min. zoom



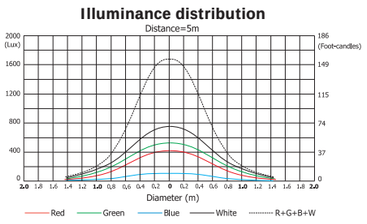
Distance (m)	2	4	5	6	8	10	12	14	
Red	2550/237	638/59	408/38	283/26	159/15	102/10	71/7	52/5	Intensity (center) Lux/Footcandles
Green	3169/294	792/74	507/47	352/33	198/18	127/12	88/8	65/6	
Blue	700/65	175/16	112/10	78/7	44/4	28/3	19/2	14/1,3	
White	4906/456	1226/114	785/73	545/51	307/29	196/18	136/13	100/9	
R+G+B+W	10888/993	2672/248	1710/159	1187/110	668/62	428/40	297/28	218/20	

Max. zoom

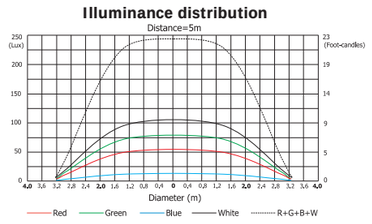


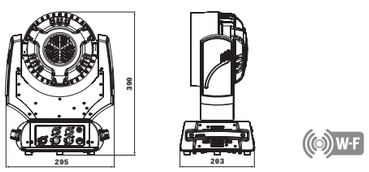
Distance (m)	2	4	5	6	8	10	12	14	
Red	325/30	81/8	52/5	36/3	20/2	13/1,2	9/0,8	7/0,6	Intensity (center) Lux/Footcandles
Green	481/45	120/11	77/7	53/5	30/3	20/2	13/1,2	10/1	
Blue	106/10	27/2,5	17/1,6	12/1	7/0,6	4/0,4	3/0,3	2/0,2	
White	675/63	169/16	108/10	75/7	42/4	27/2,5	19/1,7	14/1,3	
R+G+B+W	1533/142	383/36	245/23	170/16	96/9	61/6	43/4	31/3	

Illuminance distribution



Illuminance distribution





W-F

ROBIN® 300E Wash

A flexible, lightweight, silent unit with an extremely wide zoom of 4° – 40°. The compact dimensions make it easy to conceal whilst providing an efficient wash effect from the gentlest of pastels to the richest of saturated colours. The enhanced CMY+CTO system mixes real colour correction quickly and accurately. The 7+1 colour wheel with its easily replaceable magnetic positions can spin rainbow effects at both high and low speeds.

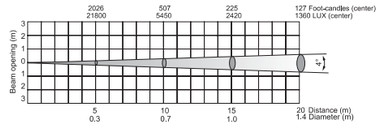
The new innovative remote hot-spot control combined with an extremely fast iris delivers maximum lumen output at any beam angle from 4°–40° - an amazing feature that has never been seen before.

Technical Specification

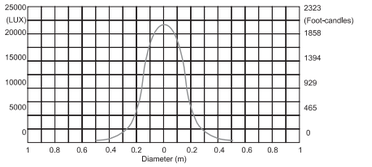
- NEW Philips MSD Gold 300/2 MiniFastFit lamp, CCT 8.800 K, Luminous flux 22.000 Lm, CRI=75, 2.000 hrs lamp life
- Motorized zoom 4°– 40° (patent pending)
- RNS2 - Innovated Robe Navigation System with LCD touch screen and battery backup, gravitation sensor for auto screen positioning and operation memory service log with RTC (patent pending)
- CMY+CTO dichroic colour flag system for fast and smooth colour mixing (patent pending)
- 7+1 user replaceable magnetic "SLOT&LOCK" trapezoid shaped positions on the colour wheel (patent pending)
- Mechanical dimmer/shutter, Strobe effect 1-10 Hz
- Electronic ballast with dimming and el. strobing possibilities
- Dichroic glass reflector with dynamic hot-spot control (patent pending)
- Electronic auto ranging power supply, 100–240 V AC, 50/60 Hz
- Pan and Tilt movement in 16/8 bit resolution 540 °/260 ° with locking mechanism
- Communication protocols USITT DMX-512, ArtNet, MA Net, MA Net2, RDM
- Optional wireless version available: CRMX™ technology from Lumen Radio

Lamp: MSD Gold 300/2 MiniFastFit

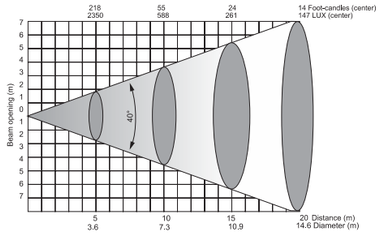
Beam angle 4° - min. zoom



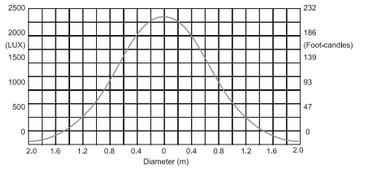
Distance = 5m



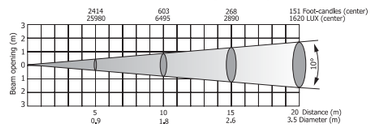
Beam angle 40° - max. zoom



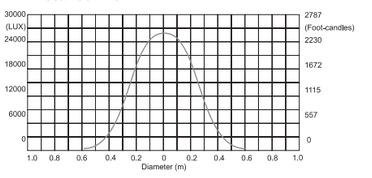
Distance = 5m

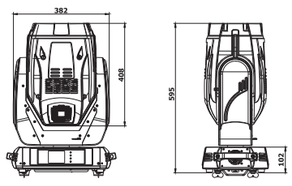


Beam angle 10° - max. Light Output



Distance = 5m





W-F

ROBIN®
300 Series classic

The Robin 300 Series Classic is another new range, incorporating the basic and most popular features of the existing Robin 300 Series, including linear zoom, rotating gobo wheel and colour wheel etc. The Robin 300 Series Classic includes the ROBIN® 300 Spot Classic, ROBIN® 300 Beam Classic and ROBIN® 300 Wash Classic.

ROBIN® 300 Spot Classic

This fixture has a host of specially designed modular features including a 12°–36° zoom, colour wheel, rotating gobo wheel, colour/gobo wheel, rotating prism and many more.

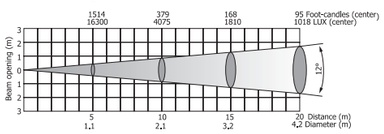
The ROBIN® 300 Spot Classic is a punchy profile fixture with features such as linear zoom, a full package of rotating gobos, colour - gobo wheel including 4 colours and 5 static gobos and standard colour wheel. Up to 24 colour mixes can be achieved with a combination of the colour wheel and colour/gobo wheel.

Technical Specification

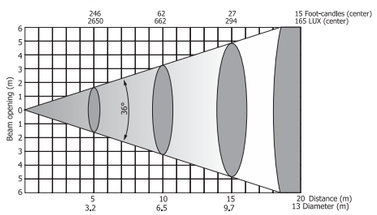
- NEW Philips MSD Gold 300/2 MiniFastFit lamp, CCT 8.400 K, Luminous flux 22.000 Lm, CRI=75, 2.000 hrs lamp life, PGJX 28
- 4-digit LED display & 4 control buttons for fixture setting and addressing
- Linear motorized zoom 12°–36°
- Colour wheel with 7+1 user replaceable "SLOT&LOCK" trapezoid shaped positions (patent pending)
- Rotating gobo wheel with 7+1 user replaceable "SLOT&LOCK" gobos (patent pending)
- Colour-gobo wheel with 5 user replaceable "SLOT&LOCK" gobos + 4 colour positions+ open
- 3-facet 10° rotating indexable prism
- Mechanical shutter/dimmer
- Variable strobe effects
- Pan and tilt movement in 16/8 bit resolution 540°/280° with locking mechanism
- One user editable program up to 50 steps
- Master/slave operation
- Input voltage 208/230/240 V AC, 50/60 Hz, magnetic ballast
- Communication protocols: USITT DMX-512, RDM

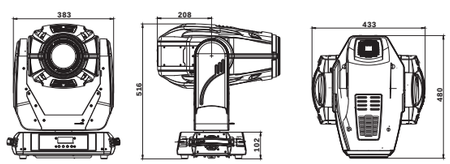
Lamp: MSD Gold 300/2 MiniFastFit

Beam angle 12° - min. zoom



Beam angle 36° - max. zoom





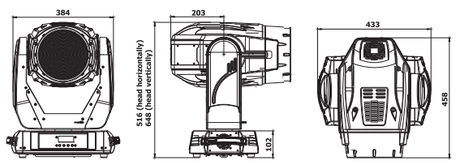
ROBIN® 300 Beam Classic

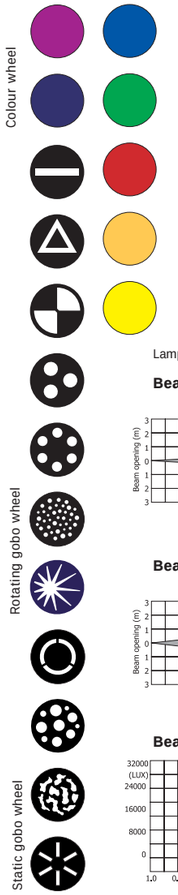
The ROBIN® 300 Beam Classic uses a Philips MSD Gold 300/2 Mini FastFit lamp and has a beam angle of 1.5–1.6 degrees, complete with dichroic glass reflector for maximising the light output.

The ROBIN® 300 Beam Classic has a colour wheel with 7 replaceable 'Slot&Lock' dichroic filters, plus both static and rotating gobo wheels. A variable frost effect ensures a smooth transition from a beam light to a regular wash light, and there is also full dimming, variable strobe effect and pan/tilt of 540/260 degrees.

Technical Specification

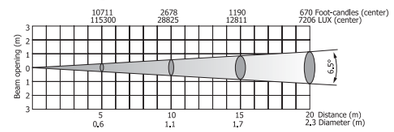
- Philips MSD Gold 300/2 MiniFastFit lamp, CCT 8.400 K, Luminous flux 22.000 Lm, CRI=75, 2.000 hrs lamp life, PGJX 28
- 4-digit LED display & 4 control buttons for fixture setting and addressing
- Beam angle 1,5°–6,5°
- 7+1 user replaceable "SLOT&LOCK" trapezoid shaped positions on the colour wheel (patent pending)
- Rotating gobo wheel with 7+1 user replaceable "SLOT&LOCK" gobos (patent pending)
- Static gobo wheel with 4 gobos + 4 beam reducers + open position
- Motorized focus
- Variable frost effect, pulse sequences
- Mechanical dimmer/shutter, Strobe effect 1–10 Hz
- Pan and Tilt movement in 16/8 bit resolution 540°/260° with locking mechanism
- One user editable programs up to 50 steps
- Master/slave operation
- Input voltage 208/230/240 V AC, 50/60 Hz, magnetic ballast
- Communication protocols: USITT DMX-512, RDM



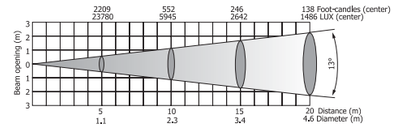


Lamp: MSD Gold 300/2 MiniFastFit

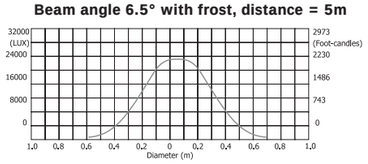
Beam angle 6.5°



Beam angle 6.5° with frost



Beam angle 6.5° with frost, distance = 5m



ROBIN® 300 Wash Classic

A flexible, lightweight, silent fixture with a zoom range of 10 – 35 °. The compact dimensions of the ROBIN® 300 Wash Classic make it easy to conceal, whilst providing an extremely efficient light output and a stunning colour range from the gentlest of pastels to the richest of saturates.

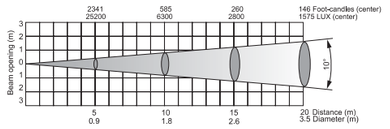
The enhanced CMS system mixes real colour correction quickly and accurately. The 7+1 colour wheel with its easily replaceable magnetic positions can spin rainbow effects at high and low speeds.

Technical Specification

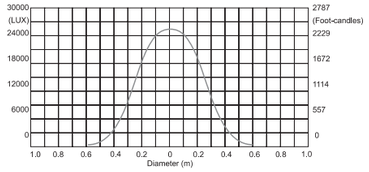
- Philips MSD Gold 300/2 MiniFastFit lamp, CCT 8.400 K,
- Luminous flux 22.000 Lm, CRI=75, 2.000 hrs lamp life, PGJX 28
- 4-digit LED display & 4 control buttons for fixture setting and addressing
- Motorized zoom 10 °–35 °
- CMY dichroic colour flag system for fast and smooth colour mixing
- 7+1 user replaceable magnetic "SLOT&LOCK" trapezoid shaped positions on the colour wheel (patent pending)
- Mechanical dimmer/shutter
- Variable strobe effects
- Pan and Tilt movement in 16/8 bit resolution 540 °/260 ° with locking mechanism
- One user editable programs up to 50 steps
- Master/slave operation
- Input voltage 208/230/240 V AC, 50/60 Hz, magnetic ballast
- Communication protocols: USITT DMX-512, RDM

Lamp: MSD Gold 300/2 MiniFastFit

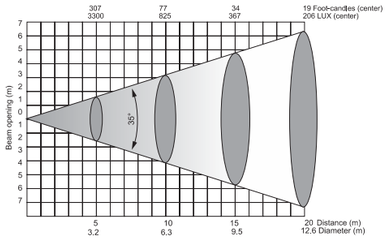
FRESNEL LENS: Beam angle 10° - min. zoom



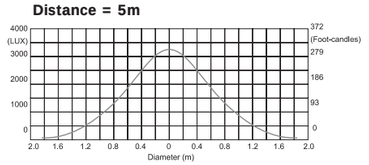
Distance = 5m

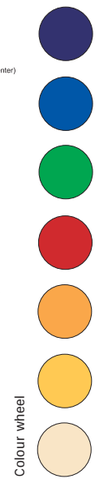


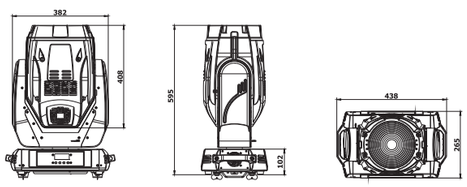
FRESNEL LENS: Beam angle 35° - max. zoom



Distance = 5m







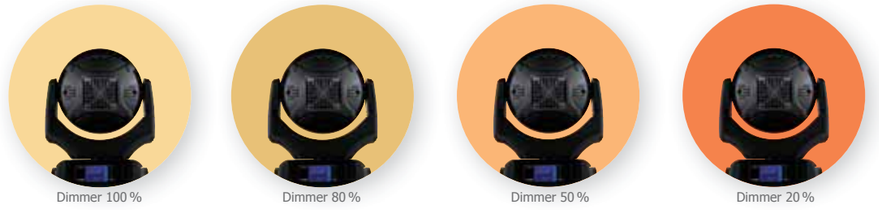
Fine touch features

True White Colours

Spotless colour mixing of specially calibrated LEDs together with predefined values on a Virtual colour wheel channel allow quick direct calling of exact white hues of 2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K.

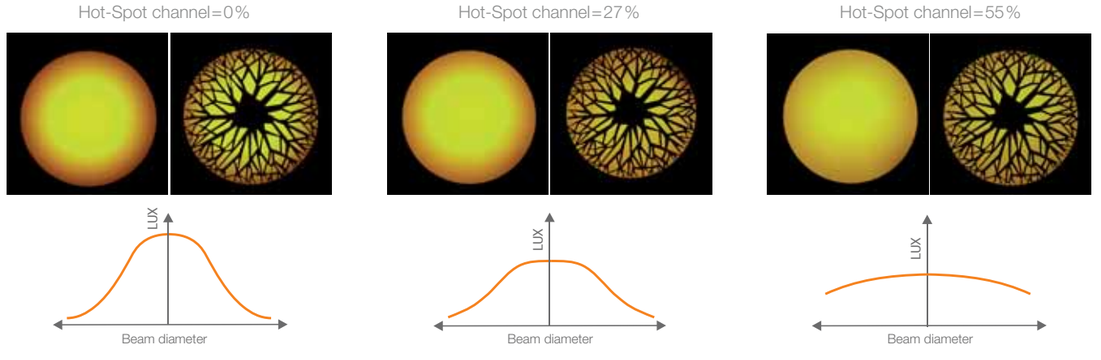
Tungsten effect

In the Halogen lamp mode predefined for White Halogen 2700K and 3200K, the Dimmer channel initiates halogen lamp-like behaviour (red effect and thermal delay) during dimming.



Hot-Spot Control

ROBIN 300E, 600E and MMX Spots provide an extra control of intensity distribution via the Hot-Spot channel.



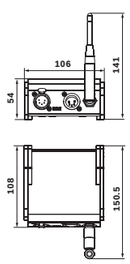
ROBE Universal Interface WTX

With all the new developments in the field of wireless transmissions, we are utilizing the state of art Wireless DMX/RDM CRMX technology for highly reliable bidirectional wireless connection, allowing controlling, setup and remote patching. This new technology features fixed latency, frame synchronization between receivers, full RDM and other possibilities, like cognitive coexistence, for reliable use in all timing critical environments.

Wireless DMX+RDM enhanced version of the Robe Universal Interface magnifies this powerful multi-functional toolbox. The unit communicates with a PC or Laptop via USB and besides the standard Robe Universal Interface features it provides wireless capabilities for both DMX controlling and bi-directional RDM setup, management and monitoring. Fixture software updates can now be carried out via either wired or wireless link. The wireless communication is based on robust CRMX technology which includes advanced features such as automated cognitive coexistence, DMX fi delity, low latency, strong encryption and more.

Technical Specification

- Windows 7, 98, ME, 2000, XP, Vista, Server 2003, Linux
- No extra PSU needed
- Galvanic isolation of 1kV between DMX Input and USB (DMX Output and USB)
- USB/DMX converter
- Provides fixture software updates
- Brings RDM communication protocol into DMX 512 control systems
- RDM-network software allows:
  - Fixture Status Monitoring
  - Fixture Personality Setting
  - AutoPatch
- Wireless DMX+RDM



Wireless

Products with wireless DMX/RDM CRMX
(supplied on request)

ROBIN® 1200 LEDWash | ROBIN® 1200 LEDWash DL/SW | ROBIN® 600 LEDWash | ROBIN® 600 PureWhite SW | ROBIN® 300 LEDWash

ROBIN® Actor 12 | ROBIN® Actor 6 | ROBIN® Actor 3 | ROBIN® 800 LEDWash | ROBIN® 100 LEDBeam | ROBIN® 100 LEDBeam DL/SW

ROBIN® DLX Spot | ROBIN® MMX Spot | ROBIN® DLF Wash | ROBIN® MMX WashBeam | ROBIN® DLS Profile

ROBIN® 600E Spot | ROBIN® 300E Spot | ROBIN® 600E Beam | ROBIN® 300E Beam | ROBIN® 300E Wash | ROBIN® 600E Wash

Products marked with „*“ are supplied with wireless DMX{RDM CRMX as standard.

ROBE®

Scoreboard

ROBIN®

	100 LEDBeam	300 LEDWash	600 LEDWash	600 LEDWash PureWhite	1200 LEDWash	Actor 3	Actor 6	Actor 12	DLX Spot	DLF Wash	DLS Profile	300E Spot	300E Wash	300E Beam	600E Spot	600E Wash	600E Beam	MMX Spot
	LED											DISCHARGE						
Light Source	12 RGBW multichips	19 RGBW multichips	37 RGBW multichips	37 RGBW multichips	61 RGBW multichips	19 RGBW multichips	37 RGBW multichips	61 RGBW multichips	RGBW module	RGBW module	RGBW LED module	Philips MSD Gold 300/2 MiniFastFit			Philips MSR Gold 575/2 MiniFastFit			Philips MSR Gold Platinum 35
Source life hours (Manf. Expectancy)	60000	60000	60000	60000	60000	60000	60000	60000	> 20000	> 20000	> 20000	2000			750			750
Ballast type	—	—	—	—	—	—	—	—	—	—	—	Electronick			Electronic			Electronic
Source remote on/off	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Dimming - Full range	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Source Colour Temperature	Variable	Variable	Variable	SW = 2.800–6.300 WW = 3.000 DL = 6.300	Variable	Variable	Variable	Variable	Variable	Variable	Variable	8.800 K			7.500 K			7.800 K
Colour Tempreture Selection / Correction	Electronic - Variable & preset	Electronic - Variable & preset	Electronic - Variable & preset	Electronic - Variable & preset	Electronic - Variable & preset	Electronic - Variable & preset	Electronic - Variable & preset	Electronic - Variable & preset	Electronic - Variable & preset	Electronic - Variable & preset	Electronic - Variable & preset	Mechanical - Variable	Mechanical - Variable	—	Mechanical - Variable	Mechanical - Variable	—	Mechanical - Variable
Colour Mixing	RGBW/CMY	RGBW	RGBW	—	RGBW/CMY	RGBW/CMY	RGBW/CMY	RGBW/CMY	RGBW/CMY	RGBW/CMY	RGBW/CMY	CMY	CMY	CMY	CMY	CMY	CMY	CMY
Colour Wheel	Electronic - 237 colours	Electronic - 237 colours	Electronic - 237 colours	—	Electronic - 237 colours	Electronic - 237 colours	Electronic - 237 colours	Electronic - 237 colours	Electronic - 237 colours	Electronic - 237 colours	Electronic - 237 colours	7 + open	7 + open	7 + open	7 + open	7 + open	7 + open	7 + open
Zoom	Fixed 7°	variable 15°–60°	variable 15°–60°	variable 15°–60°	variable 8°–63°	variable 8°–63°	variable 8°–63°	variable 8°–63°	variable 10°–45°	variable 5.5°–60°	variable 10°–45°	variable 10°–40°	variable 4°–40°	variable 1.5°–6.5°	variable 10°–45°	variable 10°–35°	variable 1.5°–6.5°	variable 8.5°–46,5°
Remote Focus	—	—	—	—	—	—	—	—	✓	—	✓	✓	—	✓	✓	—	✓	✓
Gobo Wheel 1 (26.8mm)	—	—	—	—	—	—	—	—	7 Rotating + open	—	7 Rotating + open	7 Rotating + open	—	7 Rotating + open	7 Rotating + open	—	7 Rotating + open	7 Rotating + open
Gobo Wheel 2 (26.8mm)	—	—	—	—	—	—	—	—	9 Static + open	—	glass animation wheel	9 Static + open	—	4 Static + 4 Apertures	9 Static + open	—	7 Static + open	7 Static + open
Additional Optical features	—	—	—	—	—	—	—	—	—	Internal barn doors	—	—	—	—	—	—	—	Dual Graphics Wheel
Hot-Spot control	—	—	—	—	—	—	—	—	—	—	—	✓	✓	—	✓	—	—	✓
Iris	—	—	—	—	—	—	—	—	✓	—	✓	✓	—	—	✓	—	✓	✓
Prism - Rotating	—	—	—	—	—	—	—	—	3 facet	—	3 facet	3 facet	—	—	3 facet	—	—	5 facet
Variable Frost	—	—	—	—	—	—	—	—	✓	✓	✓	✓	—	✓	✓	✓	✓	—
Shutter / variable speed Strobe	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Communication protocols	DMX512	DMX, Artnet, ma/ma2net	DMX, Artnet, ma/ma2net	DMX, Artnet, ma/ma2net	DMX, Artnet, ma/ma2net	DMX512	DMX512	DMX512	DMX, Artnet, ma/ma2net	DMX, Artnet, ma/ma2net	DMX, Artnet, ma/ma2net	DMX, Artnet, ma/ma2net	DMX, Artnet, ma/ma2net	DMX, Artnet, ma/ma2net	DMX, Artnet, ma/ma2net	DMX, Artnet, ma/ma2net	DMX, Artnet, ma/ma2net	DMX, Artnet, ma/ma2net
DMX channels (Mode 1,2,3..)	35/19/14/9/35/37	37/21/15/10/37	37/21/15/10/37	DL/WW - 18/12/13/10/18 SW - 24/16/12/10/24	45/21/15/10/45/37	32/16/10/5/32/37	32/16/10/5/6/37	45/21/15/10/45/37	35/24/22	29/23/21	34/29/26	32/25/23	20/17/15	24/19/17	32/25/23	19/16/14	26/20/18	38/31/29
Data connections	5 pin XLR	RJ45, 3+5 pin XLR	RJ45, 3+5 pin XLR	RJ45, 3+5 pin XLR	RJ45, 3+5 pin XLR	5 pin XLR	5 pin XLR	5 pin XLR	RJ45, 3+5 pin XLR	RJ45, 3+5 pin XLR	RJ45, 3+5 pin XLR	RJ45, 3+5 pin XLR	RJ45, 3+5 pin XLR	RJ45, 3+5 pin XLR	RJ45, 3+5 pin XLR	RJ45, 3+5 pin XLR	RJ45, 3+5 pin XLR	RJ45, 3+5 pin XLR
CRMX Wireless version available	—	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
User Display Interface	4 key LCD	Touch Screen	Touch Screen	Touch Screen	Touch Screen	4 key LCD	4 key LCD	4 key LCD	Touch Screen	Touch Screen	Touch Screen	Touch Screen	Touch Screen	Touch Screen	Touch Screen	Touch Screen	Touch Screen	Touch Screen
Master/Slave	✓	—	—	—	—	✓	✓	✓	—	—	—	—	—	—	—	—	—	—
Stand Alone	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PSU 100-240v 50/60Hz Autoranging	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Max consumption Watts@230v	200	200	415	415	680	200	400	600	520	520	520	420	420	400	770	750	750	1120
Power connection	PowerCon In/Out - cables NOT included	Fixed cable	Fixed cable	Fixed cable	Fixed cable	PoweCon cable	PoweCon cable	PoweCon cable	PoweCon cable	PoweCon cable	PoweCon cable	Fixed cable	Fixed cable	Fixed cable	Fixed cable	Fixed cable	Fixed cable	Fixed cable
Pan/Tilt range (Resolution)	Pan 450°, Tilt 300°	Pan 450°, Tilt 300°	Pan 450°, Tilt 300°	Pan 540°, Tilt 260°	Pan 450°, Tilt 300°	Tilt 300° (manual)	Tilt 300° (manual)	Tilt 300° (manual)	Pan 540°, Tilt 280°	Pan 540°, Tilt 260°	Pan 540°, Tilt 270°	Pan 540°, Tilt 280°	Pan 540°, Tilt 260°	Pan 540°, Tilt 260°	Pan 540°, Tilt 280°	Pan 540°, Tilt 260°	Pan 540°, Tilt 260°	Pan 540°, Tilt 270°
Weight	4.5 kg	8.2 kg	10.6 kg	10.6 kg	18 kg	6.0 kg	8.8 kg	15.0 kg	20.8 kg	21.8 kg	20.8 kg	20 kg	20 kg	19.6 kg	21.7 kg	21 kg	19.6 kg	25.5 kg
Size	314 x 233 x 149 mm	390 x 295 x 203 mm	445 x 343 x 203 mm	445 x 343 x 203 mm	570 x 439 x 268 mm	329 x 295 x 155 mm	406 x 353 x 162 mm	540 x 440 x 167 mm	678 x 432 x 480 mm	681 x 432 x 483 mm	678 x 388 x 480 mm	516 x 433 x 470 mm	518 x 433 x 408 mm	458 x 433 x 648 mm	516 x 433 x 470 mm	518 x 433 x 408 mm	648 x 433 x 458 mm	722 x 433 x 529 mm
Key accessories	Top Hat, Diffusion filters, Power cables	Top Hat, transparent EggCrate	Top Hat, transparent EggCrate	Top Hat, transparent EggCrate	Top Hat, black EggCrate	—	—	—	—	—	—	—	Module of Front wide-angle lens, Top hats	—	—	Module of Front wide-angle lens, Top hats	—	—

Working With Winners

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ROBE®

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